

SoundTouch[™] Portable

Wi-Fi Music System



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SAFETY INFORMATION

Parts that have special safety characteristics are identified by the \(\bigain \) symbol on schematics or by special notes on the parts list. Use only replacement parts that have critical characteristics recommended by the manufacturer.

CAUTION: The Soundtouch™ Portable Wi-Fi Music System contains no user-serviceable parts. To prevent warranty infractions, refer servicing to warranty service stations or factory service.

WARNING: Danger of explosion if remote battery is incorrectly replaced. Replace with only Duracell, Eveready, Energizer, Maxell or Toshiba CR2032 or DL2032 3-volt lithium battery.

PROPRIETARY INFORMATION

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF BOSE CORPORATION WHICH IS BEING FURNISHED ONLY FOR THE PURPOSE OF SERVICING THE IDENTIFIED BOSE PRODUCT BY AN AUTHORIZED BOSE SERVICE CENTER OR OWNER OF THE BOSE PRODUCT, AND SHALL NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE.

SPECIFICATIONS

Electrical

| Power Supply Rating: | |
|----------------------------|--|
| Input: Output: | 100 - 240VAC 50/60Hz, 600mA 20 VDC, 1.25A Max |
| Input Power Rating: | |
| Voltage: Current: | 20 VDC 1.25A Max |
| | Acoustic |
| Drivers: | 4 - 40mm" Drivers |
| | 2 - Passive Radiators |
| | Physical Description |
| | Physical Description |
| Mechanical Specifications: | 6.0"H x 9.84"W x 2.59"D (15.2 cm x 25.0 cm x 6.6 cm) |
| Weight: | 3.2 lb. (1.4485 kg) |

ELECTROSTATIC DISCHARGE SENSITIVE (ESDS) DEVICE HANDLING

This unit contains ESDS devices. We recommend the following precautions when repairing, replacing or transporting ESDS devices:

- Perform work at an electrically grounded work station.
- Wear wrist straps that connect to the station or heel straps that connect to conductive floor mats.
- Avoid touching the leads or contacts of ESDS devices or PC boards even if properly grounded. Handle boards by the edges only.
- Transport or store ESDS devices in ESD protective bags, bins, or totes. Do not insert unprotected devices into materials such as plastic, polystyrene foam, clear plastic bags, bubble wrap or plastic trays.

WARRANTY

The SoundTouch™ Portable Digital Music System electronics is covered by a limited 1-year transferable warranty.

PART LIST NOTES

- **1.** The individual parts located on the PCBs are listed in the Electrical Part List.
- 2. This part is referenced for informational purposes only. It is not stocked as a repair part. Refer to the next higher assembly for a replacement part.
- 3. This part is critical for safety purposes. Failure to use a substitute replacement with the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards.

PRODUCT OVERVIEW

SoundTouch™ Portable is a portable battery powered wireless music system. It is based on Sound-Link Mobile acoustics and battery pack, it replaces Bluetooth with Wi-Fi as well as adding six press-and-play presets. SoundTouch Portable can connect to streaming internet content directly from the cloud, can connect to Airplay devices, and can play computer stored music. Wi-Fi and its battery power capabilities make SoundTouch Portable easy to use in and around the home because Wi-Fi is always ready, enabling six press-and-play presets that give one button, instant access to your favorite advanced digital music (ADM).

Features:

- Built-in Wi-Fi
- Six push and play presets that give instant access to any source
- Complete control of all sources through a computer application and the smartphone application
- The same acoustic performance as SoundLink® Mobile
- A remote control and the same small display used on SoundTouch 20 and 30.
- A size and form factor similar to SoundLink Mobile but visually similar to SoundTouch 20 and 30

REMOTE CONTROL

An infrared remote control is included. It uses the same battery that is used with credit card style remote controls: CR2032.

SOFTWARE UPGRADES

A thumb drive with a software file can be used to update the SoundTouch Portable. The software file is available on the Technical Services website.

Bose internal website - http://intranet.bose.com/tsg/

Bose external website - http://serviceops.bose.com/

To update from a thumb drive see page 24.

Software updates are also available on Bose.com once the product is connected to a Wi-Fi network.

FACTORY DEFAULT

A factory default is required after the repair is complete. Press and hold "volume -" and "preset 1" at the same time for 10 seconds, then release to restore the unit to factory default settings. This will clear all customer router, password and Bose® account information. A slip-sheet must be added to every outgoing repair describing how to connect the product to the router and reconnect to the customers Bose account. The slip sheet will be available to download as a PDF on the Technical Services website.

PACKAGING PART LIST

 $\mathsf{Bose}^{\scriptscriptstyle{\textcircled{\tiny{\$}}}} \, \mathsf{SoundTouch^{\scriptscriptstyle{\mathsf{TM}}}} \, \mathsf{Portable} \, \mathsf{Wi\text{-}Fi} \, \mathsf{Music} \, \mathsf{System}$

| Item Number | Description | Part Number | Note |
|----------------|--|-------------|------|
| 1 | AC PRONG, US,120V NON POL, BLK | 311544-001 | 3, 🔨 |
| | AC PRONG, 230V EURO, BLK | 311544-011 | |
| | AC PRONG, 230V UK, BLK | 311544-021 | |
| | AC PRONG, 230V AUS, BLK | 311544-031 | |
| | AC PRONG, CHINA, BLK | 311544-041 | |
| | AC PRONG, 230V KOREA, BLK | 311544-051 | |
| 2 | BAG, FOAM, PE, 12.50X9.75X0.08IN, 2IN | 367238-0010 | |
| 3 | CABLE, SIGNAL, USB, MICRO/USB- A,MALE, 36IN | 330816-0010 | 3, 🔨 |
| 4 | CARTON, 12.19X8.69X6.38IN, WHT | 361850-0010 | |
| | CARTON, 12.19X8.69X6.38IN, BLK | 369848-0010 | |
| 5 | CONTACT SHEET, SOUNDTOUCH, US | 373202-0010 | |
| | CONTACT,SHEET, SOUNDTOUCH,EU | 372836-0010 | |
| | CONTACT,SHEET, SOUNDTOUCH,AP | 372837-0010 | |
| 6 | GLOBAL WARRANTY CARD, 1 YR | 324486-0010 | |
| 7 | LABEL, WAFER, SEALING,1.5" DIAMETER, CLEAR | 322267-0010 | |
| 8 | LETTER, COMMITMENT | 343108-0010 | |
| 9 | PACKING, TRAY, PULP, BOT, 12.1X8.5X4.4IN, STP | 361849-0010 | |

| Item Number | Description | Part Number | Note |
|----------------|--|----------------------------|------|
| 10 | PACKING, TRAY, PULP, TOP, 12.1X8.5X2IN, STP | 361848-0010 | |
| 11 | PAD, PACKING, DC, 200B, 10.81X5.75IN, ST, PORT | 361852-0010 | |
| 12 | PWR SUPPLY, EXT,WALL, 20V, 1.25A | 355938-0010 | 3, 🗥 |
| 13 | QSG, SOUNDTOUCH 30, 20, PORT, AST | 727573-0010 | 3, 🗥 |
| | QSG, SOUNDTOUCH 30, 20, PORT, APAC 10F2 | 727930-0010 | |
| 14 | QSG, SOUNDTOUCH 30, 20, PORT, EUR 10F2 | 727927-0010 | 3, 🗥 |
| | QSG, SOUNDTOUCH 30, 20, PORT, APAC 20F2 | 727931-0010 | |
| 15 | GUIDE, QS, SOUNDTOUCH 30/20, PORT, EU, 20F2 | 727927-0010 | 3, 🛝 |
| 16 | GUIDE,QS,SOUNDTOUCH 30/20,PORT,EU,3 OF 4 (replaced by items 14 and 15) | N/A | 3, 🛝 |
| 17 | REMOTE, IR, WHT REMOTE, IR, BLK | 355239-1010 355239-0010 | |
| 18 | SHEET, SAFETY, SOUNDTOUCH 30, 20, PORT | 369732-0010 | 3, 🛝 |
| - | PACKING, PAD, 42.0X48.0, DW 0.028 | 256676 | |
| - | PACKING, PAD, CORR 47.75X39.75 0.028 | 274318-001 | |

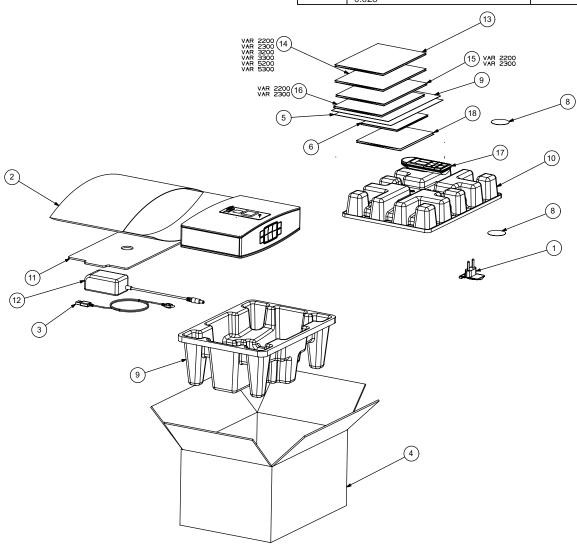


Figure 1. Packaged Exploded View

SPEAKER ASSEMBLY PART LIST

Bose® SoundTouch™ Portable Wi-Fi Music System

| | D030 | Coaria roa | • |
|--------|----------------------------------|-------------|-----------|
| Item | Description | Part Number | Note |
| Number | | | |
| 1 | COVER, REAR, GREY | 355903-0030 | . ^ |
| | COVER, REAR, BLK | 355903-0010 | 3, 🔼 |
| 2 | SHROUD, EXTERNAL, GREY | 355904-0030 | Λ |
| | SHROUD, EXTERNAL, BLK | 355904-0010 | 3, 🗥 |
| 3 | TAPE, PORON, 1.6MM | 374392-0010 | |
| 4 | FLOCK, EXTERNAL SHROUD, LEFT | 374901-0010 | |
| 5 | TAPE, FOAM, 90X19X3.8mm | 370396-0060 | |
| 6 | PCB ASSY, I/O (bulk pack) | 362487-0010 | \wedge |
| | PCB ASSY, I/O (single pack) | 362487-001S | 3, 🗥 |
| 7 | GASKET, I/O SHROUD | 356140-0010 | |
| 8 | CABLE ASSY, FFC, FOLDED, 31POS | 370132-0010 | |
| 9 | CABLE ASSY, FFC, 0.5mm, 10COND, | 356136-0040 | |
| Ü | 40mm | 000100 0010 | |
| 10 | PCB ASSY, BUTTON (bulk pack) | 354789-0010 | |
| 10 | PCB ASSY, BUTTON (single pack) | 354789-001S | |
| 11 | KEYPAD ASSEMBLY, GREY | 355698-0030 | Λ. |
| | KEYPAD ASSEMBLY, BLK | 355698-0010 | 3, 🗥 |
| 12 | TOP CAP. WHITE | 355900-0020 | A |
| | TOP CAP, BLK | 355900-0030 | 3, 🗥 |
| 13 | HEATSINK (order item 14) | - | |
| 14 | SLAB ASSY, SOUNTOUCH,COMMON | 627303-031S | A |
| 1-7 | MODULE | or | 3, 🗥 |
| | MODULE | 627303-041S | |
| 15 | FRAME, TOP CAP | 373798-0010 | 3, 🔨 |
| 16 | CABLE ASSY, FFC, 0.5mm, 40COND | 361133-0010 | A |
| | | | 3, 🗥 |
| 17 | GROMMET, FFC, 40 COND | 361136-0010 | |
| 18 | CABLE ASSY, FFC, 0.5MM, SHLD, | 356135-0057 | |
| | 12COND, 57mm 1 | | |
| 19 | CABLE ASSY, FFC, 16COND, 135mm | 356137-0020 | 3. 🔨 |
| 20 | CUSHION, AMP PCB-16 POS CABLE | 625919-0010 | -, - |
| 21 | END CAP, RIGHT, WHITE | 355902-2020 | . 1 |
| | END CAP, RIGHT, BLK | 355902-3020 | 3, 🔼 |
| 22 | SCREW, 6-13x.38, PAN, XREC/SQ | 288374-006 | |
| 23 | ENCLOSURE ASSY, BAFFLE (see next | 357295-0010 | |
| | page for individual parts list) | | 3, 🗥 |
| 24 | SCREW, TAPP, 4-16X.44, PAN, TORX | 343757-007 | |
| 25 | SCREW, SELF TAPPING, M2.5X7mm, | 357328-0070 | |
| | WASHER, TORX | | |
| | | I | |

| Item | Description | Part Number | Note |
|--------|---|-------------|------|
| Number | | | |
| 26 | GRILLE, FRONT ASSEMBLY, GREY | 355908-0030 | 3. 🗘 |
| | GRILLE, FRONT ASSEMBLY, BLK | 355908-0010 | 3, 📥 |
| 27 | SUBASSY, OLED/LENS (includes the | 627304-001S | . ^ |
| | display, display PCB and lens) | | 3, 🗥 |
| 28 | LENS, SOUNDTOUCH PORTABLE | 355906-0010 | 3, 🛝 |
| 29 | SHROUD, I/O | 373799-0010 | 3, 🛝 |
| 30 | STOP, GRILLE | 373331-0010 | |
| 31 | PCB ASSY, AMP (bulk pack) | 362485-0010 | |
| | PCB ASSY, AMP (single pack) | 362485-001S | 3, 🗥 |
| 32 | FOAM, STRIP | 627028-0030 | |
| 33 | TAPE, FOAM, 83X6X1.6mm | 370396-0040 | |
| 34 | SCREW, TAPP, 4-16X.75, PAN, TORX | 343757-012 | |
| 35 | SCREW, MACH, M5X7MM, CAP, HEX | 345989-007 | |
| 36 | FLOCK, EXTERNAL SHROUD, RIGHT | 374902-0010 | 3, 🔨 |
| 37 | TAPE, FOAM, 20X10X2.8mm | 370396-0070 | |
| 38 | LABEL, PRODUCT, 2D BARCODE, .5"x. 5" | 276533-135 | |
| 39 | ENCLOSURE, W/INSERTS | 357275-0010 | 3, 🔨 |
| 40 | PASSIVE RADIATOR, MED STIFFNESS, ASSEMBLED | 357789-0050 | |
| 41 | TAPE, FOAM, 50X12.7X3.2mm | 370396-0020 | |
| 42 | END CAP, LEFT, WHITE | 355902-2010 | |
| | END CAP, LEFT, BLK | 355902-3010 | 3, 🗥 |
| 43 | SCREW, MACH, M3X8MM, PAN, HEX | 345988-008 | |
| 44 | BATTERY PACK, Li-ION, 2600mAH (bulk pack) | 359498-0010 | 3, 🔨 |
| 45 | FOAM, TAPE | 370396-0010 | |
| 46 | FOOT, RUBBER, 12.5 DIA | 301750-002 | |
| 47 | TAPE, FOAM, 83X6X1.6mm | 370396-0040 | |
| 48 | FOAM, STRIP | 627028-0030 | |
| 49 | TAPE, FOAM, 20X10X2.8mm | 370396-0070 | |
| 50 | FOAM, BAFFLE, 34MM | 344271-0034 | |
| - | BATTERY PACK, Li-ION, 2600mAH (single pack, includes Allen Key and installation instructions) | 627276-0010 | 3, 🛝 |

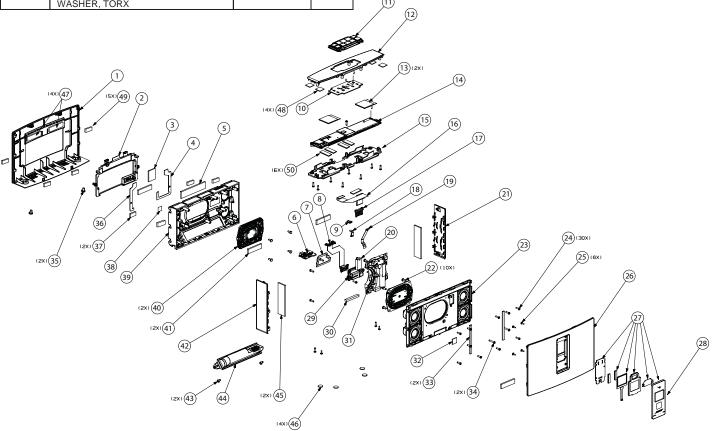


Figure 2. Speaker Assembly Exploded View

BAFFLE ASSEMBLY PART LIST

 $\mathsf{Bose}^{\scriptscriptstyle{\texttt{\tiny{\$}}}} \, \mathsf{SoundTouch^{\scriptscriptstyle{\mathsf{TM}}}} \, \mathsf{Portable} \, \mathsf{Wi\text{-}Fi} \, \mathsf{Music} \, \mathsf{System}$

| Item | Description | Part Number | Note |
|--------|----------------------------------|-------------|------|
| Number | | | |
| 1 | HARNESS, TRANSDUCER, RIGHT | 330061-0100 | |
| 2 | HARNESS, TRANSDUCER, LEFT | 373584-0010 | |
| 3 | FOAM,BAFFLE, 34MM | 344271-0034 | 3, 🛝 |
| 4 | FOAM, BAFFLE, BATTERY | 343939-0010 | 3, 🛝 |
| 5 | BAFFLE, GASKET, MIP | 357296-0010 | 3, 🛝 |
| 6 | SPKR ASSY, FULL RANGE | 357158-0030 | 3, 🔨 |
| 7 | SCREW, TAPP, 4-16X.44, PAN, TORX | 343757-007 | |

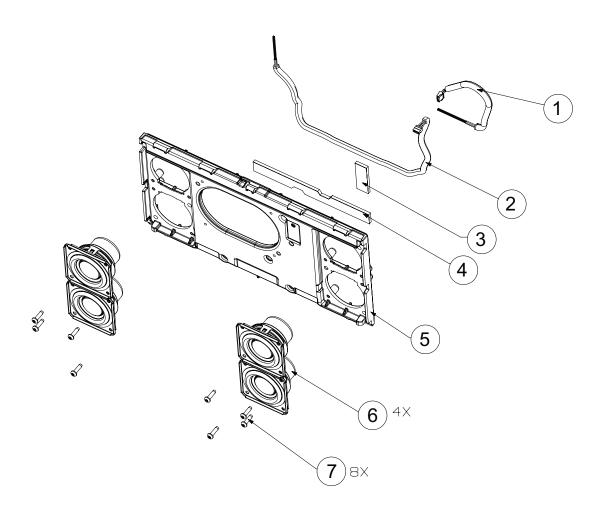


Figure 3. Baffle Assembly Exploded View

SoundTouch™ Wi-Fi Module PCB Assembly

Resistors

Resistors

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|----------------------------|--|
| R13 | 51 OHM, 0402 ARRAY, 4 5%, | 354737-510J4 | |
| R14 | 0.063W 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R15 | 0 OHM, JUMPER, 0402 | 280043 | |
| R16 | 0 OHM, JUMPER, 0402 | 280043 | |
| R27 | 220 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-221J4 | |
| R123 | 121 OHM, 0402, 63mW, 1% | 268361-121 R | |
| R124 R125 | 30.1 OHMS, 0402, 0.063W, 1% 5.76K, 0402, 63mW, 1% | 268361-30R1 | |
| R125 | 5.76K, 0402, 63ffW, 1% 5.76K, 0402, 63mW, 1% | 268361-5761 268361-5761 | |
| R127 | 5.76K, 0402, 63mW, 1% | 268361-5761 | |
| R128 | 187 OHM, 0402, 63mW, 1% | 268361-187R | |
| R129 | 187 OHM, 0402, 63mW, 1% | 268361-187R | |
| R132 | 392 OHM, 0402, 63mW, 1% | 268361-392R | |
| R133 R134 | 51 OHMS, 0402, 0.063W, 1% 100 OHM, 0402, 63mW, 1% | 268361-51R0 268361-1000 | |
| R135 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R136 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R137 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R138 | 0 OHM, JUMPER, 0402 | 280043 | |
| R139 R140 | 0 OHM, JUMPER, 0402 100 OHM, 0402, 63mW, 1% | 280043 268361-1000 | |
| R141 | 3.01K, 0402, 63mW, 1% | 268361-3011 | |
| R142 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R143 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R144 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R146 R147 | JUMPER, CHIP, 0603 JUMPER, CHIP, 0603 | 196042 196042 | |
| R200 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R201 | 13.0K, 0402, 63mW, 1% | 268361-1302 | |
| R202 | 6.04K, 0402, 63mW, 1% | 268361-6041 | |
| R203 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R204 | 10.0K, 0402, 63mW, 1% 2.74K, 0402, 63mW, 1% | 268361-1002 | |
| R205 R206 | 100 OHM, 0402, 63mW, 1% | 268361-2741 268361-1000 | |
| R207 | 1.50K, 0402, 63mW, 1% | 268361-1501 | |
| R208 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R209 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R210 R211 | 10.0K, 0402, 63mW, 1% 10.0K, 0402, 63mW, 1% | 268361-1002 268361-1002 | |
| R212 | 0 OHM, JUMPER, 0402 | 280043 | _ |
| R213 | 0 OHM, JUMPER, 0402 | 280043 | |
| R214 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R215 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R216 R217 | 100 OHM, 0402, 63mW, 1% 10.0K, 0402, 63mW, 1% | 268361-1000 268361-1002 | |
| R218 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R219 | 4.75K, 0402, 0.063W, 1% | 268361-4751 | |
| R220 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R221 | 4.75K, 0402, 0.063W, 1% | 268361-4751 | |
| R225 R229 | 100 OHM, 0402, 63mW, 1% 100 OHM, 0402, 63mW, 1% | 268361-1000 268361-1000 | |
| R240 | 10.0K, 0402, 63mW, 1% | 268361-1000 | |
| R242 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R243 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R244 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R245 R246 | 10.0K, 0402, 63mW, 1% 0 OHM, JUMPER, 0402 | 268361-1002 280043 | |
| R247 | 33 OHM, 0402, 1/16W, 1% | 268361-33R0 | |
| R276 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R279 | 0 OHM, JUMPER, 0402 | 280043 | |
| R280 | 0 OHM, 0402 ARRAY, 4 CONVEX, 0.5A | 357537-0020 | |
| R281 | 0 OHM, 0402 ARRAY, 4 CONVEX, 0.5A | 357537-0020 | |
| R282 | 0 OHM, 0402 ARRAY, 4 CONVEX, 0.5A | 357537-0020 | |
| R283 | 0 OHM, 0402 ARRAY, 4 CONVEX, 0.5A | 357537-0020 | |
| R284 | 0 OHM, 0402 ARRAY, 4 CONVEX, 0.5A | 357537-0020 | |
| R285 | 0 OHM, 0402 ARRAY, 4 CONVEX, 0.5A | 357537-0020 | |
| | J U.UA | 1 | |

| Defenence | I Description | Don't November | Nata |
|-------------------------|--|----------------------------|------|
| Reference Designator | Description | Part Number | Note |
| R286 | 0 OHM, 0402 ARRAY, 4 CONVEX, | 357537-0020 | |
| R287 | 0.5A 0 OHM, 0402 ARRAY, 4 CONVEX, | 357537-0020 | |
| R288 | 0.5A 0 OHM, 0402 ARRAY, 4 CONVEX, | 357537-0020 | |
| R289 | 0.5A 0 OHM, 0402 ARRAY, 4 CONVEX, | 357537-0020 | |
| R290 | 0.5A 0 OHM, 0402 ARRAY, 4 CONVEX, | 357537-0020 | |
| R300 | 0.5A 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R302 | 1.00K, 0402, 63mW, 1% | 268361-1001 | |
| R304 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R305 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R307 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R308 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R309 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R311 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R400 R401 | 51 OHMS, 0402, 0.063W, 1% 51 OHMS, 0402, 0.063W, 1% | 268361-51R0 268361-51R0 | |
| R402 | 243 OHM, 0402, 63mW, 1% | 268361-2430 | |
| R406 | 49.9 OHM, 0402, 63mW, 1% | 268361-49R9 | |
| R407 | 51 OHMS, 0402, 03/11V, 1% | 268361-51R0 | |
| R408 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R409 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R413 | 806 OHM, 0402, 63mw, 1% | 268361-806R | |
| R414 | 1.00K, 0402, 63mW, 1% | 268361-1001 | |
| R415 | 33 OHM, 0402, 1/16W, 1% | 268361-33R0 | |
| R421 | 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R422 | 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R423 | 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R424 | 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R425 | 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R426 | 51 OHM, 0402 ARRAY, 4 5%, 0.063W | 354737-510J4 | |
| R500 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R501 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R502 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R503 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R504 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R505 | 100 OHM, 0402, 63mW, 1% 10.0K, 0402, 63mW, 1% | 268361-1000 268361-1002 | |
| R506 R507 | 5.76K, 0402, 63mW, 1% | 268361-5761 | |
| R508 | 4.75K, 0402, 0.063W, 1% | 268361-4751 | |
| R509 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R510 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R511 | 4.53K, 0402, 0.063W, 1% | 268361-4531 | |
| R513 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R514 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R515 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R516 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R517 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R518 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R519 | 100 OHM, 0402, 63mW, 1% 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R520 R521 | 100 OHM, 0402, 63mW, 1% | 268361-1000 268361-1000 | |
| R522 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R523 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R524 | 1.00K, 0402, 63mW, 1% | 268361-1001 | |
| R525 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R528 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R530 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R531 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R532 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R534 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R535 | 1.00K, 0402, 63mW, 1% | 268361-1001 | |
| R537 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R539 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R540 R541 | 301 OHM, 0402, 63mW, 1% 301 OHM, 0402, 63mW, 1% | 268361-3010 | |
| R541 | 100 OHM, 0402, 63mW, 1% | 268361-3010 268361-1000 | |
| 11044 | 100 OFIN, 0402, 03111VV, 170 | 200301-1000 | |

SoundTouch™ Wi-Fi Module PCB Assembly

Resistors (continued)

Resistors (continued)

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|----------------------------|--|
| R546 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R547 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R548 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R549 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R550 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R551 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R552 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R553 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R554 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R555 | 1.50K, 0402, 63mW, 1% | 268361-1501 | |
| R560 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R561 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R562 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R564 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R565 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R566 R600 | 100 OHM, 0402, 63mW, 1% 4.53K, 0402, 0.063W, 1% | 268361-1000 | |
| R600 | 10.0K, 0402, 63mW, 1% | 268361-4531 268361-1002 | 1 |
| R602 | 4.53K, 0402, 0.063W, 1% | 268361-4531 | |
| R603 | 340 OHM, 0402, 63mW, 1% | 268361-3400 | - |
| R604 | 340 OHM, 0402, 63mW, 1% | 268361-3400 | |
| R606 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R607 | 10.0K, 0402, 63mW, 1% | 268361-1000 | |
| R608 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R609 | 10.0K, 0402, 63ffW, 1% | 268361-1002 | |
| R610 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R611 | 100 OHM, 0402, 63mW, 1% | 268361-1002 | |
| R612 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R613 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R614 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R615 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R616 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R617 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R618 | 1.00K, 0402, 63mW, 1% | 268361-1001 | |
| R619 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R620 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R622 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R657 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R661 | 3.32K, 0402, 63mW, 1% | 268361-3321 | |
| R662 | 3.32K, 0402, 63mW, 1% | 268361-3321 | |
| R665 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R667 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R668 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R669 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R674 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R675 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R676 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R688 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R700 | 10.0K, 0402, 63mW, 1% | 268361-1002 | - |
| R701 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R702 | 10.0K, 0402, 63mW, 1% | 268361-1002 | - |
| R800 | 10.0K, 0402, 63mW, 1% | 268361-1002 | |
| R801 | 10.0K, 0402, 63mW, 1% | 268361-1002 268361-1002 | |
| R802 R1000 | 10.0K, 0402, 63mW, 1% 3.32K, 0402, 63mW, 1% | _ | |
| R1000 | 3.32K, 0402, 63mW, 1% | 268361-3321 268361-3321 | |
| R1001 | 49.9 OHM, 0402, 63mW, 1% | 268361-49R9 | |
| R1003 | 56.2K, 0402, 63mW, 1% | 268361-5622 | |
| R1003 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1004 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1006 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1007 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1007 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1009 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1010 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1011 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1014 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | 1 |
| R1015 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1016 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1100 | 3.32K, 0402, 63mW, 1% | 268361-3321 | |
| R1101 | 3.32K, 0402, 63mW, 1% | 268361-3321 | |
| R1102 | 100K, 0402, 63mW, 1% | 268361-1003 | |
| R1103 | 100K, 0402, 63mW, 1% | 268361-1003 | |
| R1104 | 1.0M, 0402, 63mW, 1% | 268361-1004 | |
| R1105 | 1.0M, 0402, 63mW, 1% | 268361-1004 | |
| R1106 | 1.0M, 0402, 63mW, 1% | 268361-1004 | |
| | 100K, 0402, 63mW, 1% | 268361-1003 | |

| Designator R110B 100K, 0402, 63mW, 1% 268361-1003 R1111 4.7 OHMS, 0402, 0.063W, 1% 268361-4R70 R1112 1.00K, 0805, 1/10W, 5% 133626-1025 R1113 499 OHM, 0805, 1/25W, 1% 133626-1025 R1114 4.7 OHMS, 0402, 0.063W, 1% 268361-4R70 R1114 4.7 OHMS, 0402, 0.063W, 1% 268361-4R70 R1115 4.7 OHMS, 0402, 0.063W, 1% 268361-4R70 R1201 100 OHM, 0402, 63mW, 1% 268361-4R70 R1202 100 OHM, 0402, 63mW, 1% 268361-1000 R1202 100 OHM, 0402, 63mW, 1% 268361-1000 R1202 100 OHM, 0402, 63mW, 1% 268361-1000 R1207 100 OHM, 0402, 63mW, 1% 268361-1000 R1300 10.0K, 0402, 63mW, 1% 268361-1000 R1300 10.0K, 0402, 63mW, 1% 268361-1002 R1301 10.0 OHM, 0402, 63mW, 1% 268361-1003 R1304 100K, 0402, 63mW, 1% 268361-1003 R1304 100K, 0402, 63mW, 1% 268361-1003 R1304 215K, 0402, 0.063W, 1% 268361-1003 R1306 215K, 0402, 0.063W, 1% 268361-1003 R1307 100K, 0402, 63mW, 1% 268361-1003 R1307 100K, 0402, 63mW, 1% 268361-1003 R1307 100K, 0402, 63mW, 1% 268361-1003 R1313 100K, 0402, 63mW, 1% 268361-1003 R1314 100K, 0402, 63mW, 1% 268361-1003 R1315 348K, 0402, 63mW, 1% 268361-1003 R1317 10HM, 0402, 0.063W, 1% 268361-1003 R1317 10HM, 0402, 0.063W, 1% 268361-1000 R1317 10HM, 0402, 0.063W, 1% 268361-15R0 R1503 1.50K, 0402, 0.063W, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1555 | Reference | Description | Part Number | Note |
|--|------------|---------------------------|-------------|--|
| R1111 | Designator | | | |
| R1112 | | | | |
| R1113 | | | | |
| R1114 | | | | |
| R1115 | | | | |
| R1201 100 OHM, 0402, 63mW, 1% 268361-1000 R1202 100 OHM, 0402, 63mW, 1% 268361-1000 PR 1202 100 OHM, 0402, 63mW, 1% 268361-1000 R1207 100 OHM, 0402, 63mW, 1% 268361-1000 PR 1208 100 OHM, 0402, 63mW, 1% 268361-1000 PR 1208 100 OHM, 0402, 63mW, 1% 268361-1000 PR 1208 100 OHM, 0402, 63mW, 1% 268361-1000 PR 1300 10,0K, 0402, 63mW, 1% 268361-1000 PR 1301 10,0K, 0402, 63mW, 1% 268361-1000 PR 1301 10,0K, 0402, 63mW, 1% 268361-1000 PR 1301 10,0K, 0402, 63mW, 1% 268361-1003 PR 1304 100K, 0402, 63mW, 1% 268361-1003 PR 1304 100K, 0402, 63mW, 1% 268361-1003 PR 1307 100K, 0402, 63mW, 1% 268361-1003 PR 1308 24,0K, 0402, 63mW, 1% 268361-1003 PR 1308 24,0K, 0402, 63mW, 1% 268361-1003 PR 1308 24,0K, 0402, 63mW, 1% 268361-1002 PR 1310 10,0 OHM, 0402, 63mW, 1% 268361-1000 PR 1311 10,0 OHM, 0402, 63mW, 1% 268361-1000 PR 1315 348K, 0402, 63mW, 1% 268361-1003 PR 1315 348K, 0402, 63mW, 1% 268361-1003 PR 1315 348K, 0402, 63mW, 1% 268361-1003 PR 1315 348K, 0402, 63mW, 1% 268361-1000 PR 1316 100K, 0402, 63mW, 1% 268361-1000 PR 1316 100K, 0402, 63mW, 1% 268361-1000 PR 1318 8.25K, 0402, 0.063W, 1% 268361-1800 PR 1316 100K, 0402, 63mW, 1% 268361-1501 PR 1316 10 OHM, 0402, 0.063W, 1% 268361-1501 PR 1316 10 OHM, 0402, 0.063W, 1% 268361-1500 PR 1300 PH 1000 PH | | | | |
| R1202 | | | | |
| R1206 | | | | |
| R1207 | | | | |
| R1208 | | | | |
| R1210 | | | | |
| R1300 | | 100 OHM, 0402, 63mW, 176 | | |
| R1301 | | | | |
| R1303 | | | | |
| R1304 | | | | |
| R1306 215K, 0402, 0.063W, 1% 268361-2153 R1307 100K, 0402, 63mW, 1% 268361-1003 R1308 24.0K, 0402, 63mW, 1% 268361-2402 R1309 10.0K, 0402, 63mW, 1% 268361-1002 R1310 10.0 OHM, 0402, 63mW, 1% 268361-1003 R1313 100K, 0402, 63mW, 1% 268361-1003 R1314 100K, 0402, 63mW, 1% 268361-1003 R1315 348K, 0402, 63mW, 1% 268361-1003 R1316 100K, 0402, 63mW, 1% 268361-1003 R1317 1 OHM, 0402, 0.063W, 1% 268361-8251 R1500 1.50K, 0402, 0.63W, 1% 268361-8251 R1501 51 OHMS, 0402, 0.063W, 1% 268361-5160 R1502 51 OHMS, 0402, 0.063W, 1% 268361-5170 R1503 1.50K, 0402, 63mW, 1% 268361-1501 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-51R0 R1508 <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| R1307 | | | | |
| R1308 | | | | |
| R1309 | | | | i – |
| R1310 | | | | |
| R1314 | R1310 | | 268361-10R0 | |
| R1315 348K, 0402, 63mW, 1% 268361-3483 R1316 100K, 0402, 63mW, 1% 268361-1003 R1317 1 OHM, 0402, 0.063W, 1% 268361-1R00 R1318 8.25K, 0402, 0.063W, 1% 268361-1S01 R1500 1.50K, 0402, 63mW, 1% 268361-1501 R1501 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1502 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1503 1.50K, 0402, 63mW, 1% 268361-51R0 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-1501 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-75R0 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1543 100 OHM, 0402, 63mW, 1% 268361-1000 R1544 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1551 121K, 0402, 63mW, 1% 268361-1000 R1553 121K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-1000 R1557 4.75K, 0402, 0.063W, 1% 268361-1000 R1558 49.9 OHM, 0402, 63mW, 1% 268361-1000 R1559 49.9 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1551 12.1K, 0402, 63mW, 1% 268361-1000 R1552 12.1K, 0402, 03mW, 1% 268361-1000 R1553 12.1K, 0402, 03mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1550 100 OHM, 0402, 63mW, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | R1313 | | 268361-1003 | |
| R1316 | R1314 | 100K, 0402, 63mW, 1% | 268361-1003 | |
| R1317 1 OHM, 0402, 0.063W, 1% 268361-1R00 R1318 8.25K, 0402, 0.063W, 1% 268361-8251 R1500 1.50K, 0402, 0.063W, 1% 268361-1501 R1501 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1502 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1503 1.50K, 0402, 63mW, 1% 268361-1501 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-51R0 R1508 274 OHM, 0402, 63mW, 1% 268361-51R0 R1509 75 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 | | 348K, 0402, 63mW, 1% | | |
| R1318 8.25K, 0402, 0.063W, 1% 268361-8251 R1500 1.50K, 0402, 63mW, 1% 268361-1501 R1501 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1502 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1503 1.50K, 0402, 63mW, 1% 268361-51R0 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549< | | | _ | |
| R1500 1.50K, 0402, 63mW, 1% 268361-1501 R1501 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1502 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1503 1.50K, 0402, 63mW, 1% 268361-510 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R15549 100 OHM, 0402, 63mW, 1% 268361-1000 R1555< | | 1 OHM, 0402, 0.063W, 1% | | |
| R1501 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1502 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1503 1.50K, 0402, 63mW, 1% 268361-1501 R1504 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-75R0 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1 | | | | |
| R1502 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1503 1.50K, 0402, 63mW, 1% 268361-1501 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-1000 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1556 <td></td> <td></td> <td></td> <td></td> | | | | |
| R1503 1.50K, 0402, 63mW, 1% 268361-1501 R1504 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-1000 R1557 <td></td> <td>51 OHMS, 0402, 0.063W, 1%</td> <td></td> <td></td> | | 51 OHMS, 0402, 0.063W, 1% | | |
| R1504 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-2740 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1751 R1556< | | | | |
| R1505 51 OHMS, 0402, 0.063W, 1% 268361-51R0 R1506 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1561 <td></td> <td></td> <td></td> <td></td> | | | | |
| R1506 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 <td></td> <td>51 OHMS 0402 0.063W 1%</td> <td></td> <td></td> | | 51 OHMS 0402 0.063W 1% | | |
| R1507 274 OHM, 0402, 63mW, 1% 268361-2740 R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1212 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 | | | | |
| R1508 274 OHM, 0402, 63mW, 1% 268361-2740 R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1200 R1555 100 OHM, 0402, 63mW, 1% 268361-1212 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 | | | | |
| R1509 75 OHM, 0402, 63mW, 1% 268361-75R0 R1510 75 OHM, 0402, 63mW, 1% 268361-75R0 R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 | | | | |
| R1539 100 OHM, 0402, 63mW, 1% 268361-1000 R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1212 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 </td <td></td> <td></td> <td></td> <td></td> | | | | |
| R1540 100 OHM, 0402, 63mW, 1% 268361-1000 R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 </td <td>R1510</td> <td>75 OHM, 0402, 63mW, 1%</td> <td>268361-75R0</td> <td></td> | R1510 | 75 OHM, 0402, 63mW, 1% | 268361-75R0 | |
| R1541 100 OHM, 0402, 63mW, 1% 268361-1000 R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1212 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 | R1539 | 100 OHM, 0402, 63mW, 1% | 268361-1000 | |
| R1542 100 OHM, 0402, 63mW, 1% 268361-1000 R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1000 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | R1540 | | 268361-1000 | |
| R1548 100 OHM, 0402, 63mW, 1% 268361-1000 R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1212 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | 100 OHM, 0402, 63mW, 1% | | |
| R1549 100 OHM, 0402, 63mW, 1% 268361-1000 R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1212 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1550 100 OHM, 0402, 63mW, 1% 268361-1000 R1553 12.1K, 0402, 63mW, 1% 268361-1212 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1560 1.00 OHM, 0402, 63mW, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | _ | |
| R1553 12.1K, 0402, 63mW, 1% 268361-1212 R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R1560 100 OHM, 0402, 63mW, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1555 100 OHM, 0402, 63mW, 1% 268361-1000 R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1559 49.9 OHM, 0805, 1.25W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1556 4.75K, 0402, 0.063W, 1% 268361-4751 R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1557 4.75K, 0402, 0.063W, 1% 268361-4751 R1558 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-4751 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1558 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1559 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1559 49.9 OHM, 0805, .125W, 1% 133625-49R9 R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-4751 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | 49.9 OHM 0805 125W 1% | | |
| R1561 4.75K, 0402, 0.063W, 1% 268361-4751 R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-4751 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1562 4.75K, 0402, 0.063W, 1% 268361-4751 R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | <u> </u> |
| R1564 4.75K, 0402, 0.063W, 1% 268361-4751 R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R1566 4.75K, 0402, 0.063W, 1% 268361-4751 R6100 100 OHM, 0402, 63mW, 1% 268361-1000 R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| R6102 100 OHM, 0402, 63mW, 1% 268361-1000 R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | 4.75K, 0402, 0.063W, 1% | | |
| R6103 100 OHM, 0402, 63mW, 1% 268361-1000 | | | | |
| | | | | |
| R6111 249K, 0402, 0.063W, 1% 268361-2493 | | | | |
| | R6111 | 249K, 0402, 0.063W, 1% | 268361-2493 | L |

SoundTouch™ Wi-Fi Module PCB Assembly

Capacitors (continued)

Capacitors (continued)

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|--------------------------|-------------|
| C160 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C161 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C162 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C164 | 470pF, COG, 0402, 5%, 50V | 268364-471 | |
| C165 | 0.22uF, X5R, 0402, 10V, 10% | 342199-224 | |
| C167 | 0.22uF, X5R, 0402, 10V, 10% | 342199-224 | |
| C168 | 10uF, X5R, 0805, 10V, 10% | 354809-106K | |
| C169 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C171 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C172 | 0.22uF, X5R, 0402, 10V, 10% | 342199-224 | |
| C173 | 0.22uF, X5R, 0402, 10V, 10% | 342199-224 | |
| C174 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C175 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C177 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C178 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C181 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C182 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C183 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C184 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C185 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C186 | 6800pF, X7R, 0402, 16V, 10% | 293702-682 | |
| C187 | 3.3pF, C0G, 0402, 50V, +/-0.25pF | 317398- | |
| | | 3R3CH | <u></u> |
| C188 | 22pF, COG, 0402, 50V, 5% | 268364-220 | |
| C189 | 47pF, COG, 0402, 50V, 5% | 268364-470 | |
| C190 | 1.8pF, +/-0.1pF, COG, 0402, 50V | 317398- | |
| | <u> </u> | 1R8BH | <u></u> |
| C191 | 10pF, COG, 0402, 5%, 50V | 268364-100 | |
| C192 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C193 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C194 | 47pF, COG, 0402, 50V, 5% | 268364-470 | |
| C195 | 18pF, COG, 0402, 5%, 50V | 268364-180 | |
| C196 | 15pF, COG, 0402, 5%, 50V | 268364-150 | |
| C197 | 15pF, COG, 0402, 5%, 50V | 268364-150 | |
| C198 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C199 | 47pF, COG, 0402, 50V, 5% | 268364-470 | |
| C200 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C201 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C202 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C203 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C204 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C205 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C206 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C207 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C208 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C209 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C210 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C211 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C212 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C213 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C215 | 0.1uF, X7R, 0603, 16V, 10% | 257154- | l |
| 0000 | 0.4E V7D 0400 401/ 400/ | 104K16 | |
| C220 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | - |
| C222 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C223 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C224 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | - |
| C225 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | - |
| C226 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | - |
| C227 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | - |
| C233 | 0.22uF, X5R, 0402, 10V, 10% | 342199-224 | - |
| C300 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | - |
| C301 | 0.1uF, X7R, 0603, 16V, 10% | 257154- | l |
| C302 | 10uF, X5R, 0603, , 6.3V, 20% | 104K16 313766-106J | |
| C302 | 10uF, X5R, 0603, , 6.3V, 20% 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | — |
| | 0.1uF, X7r, 0603, 10%, 50V | 191470-1063 | |
| C304 | 0.1uF, X7r, 0603, 10%, 50V 0.1uF, X7r, 0603, 10%, 50V | | - |
| C305 | | 191470-104 268366-471 | - |
| C307 C308 | 470pF, X7R, 0402, 50V, 5% 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C309 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | — |
| C310 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C311 | 1uF, X7R, 0603, 16V, 10% | 257154- | |
| 3311 | 101, 7/17, 0000, 107, 1070 | 105K16 | |
| C312 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | |
| C314 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C315 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| | | | |

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|---------------------------|------|
| C317 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C318 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C319 | 22uF, X5R, 0805, 6.3V, 20% | 273592-226JM | |
| C320 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C321 | 22uF, X5R, 0805, 6.3V, 20% | 273592-226JM | |
| C323 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C324 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C326 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C328 C330 | 1500pF, X7R, 0402, 16V, 10% 1500pF, X7R, 0402, 16V, 10% | 293702-152 293702-152 | |
| C332 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C334 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C335 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C338 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C340 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C341 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C342 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C343 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C344 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C346 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C347 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C348 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C349 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C352 C353 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 293702-104 | |
| C353 | 0.1uF, X7R, 0402, 16V, 10% 1500pF, X7R, 0402, 16V, 10% | 293702-104 | |
| C355 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C357 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C358 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C359 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C361 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C363 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C364 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C367 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C368 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C370 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C371 | 1500pF, X7R, 0402, 16V, 10% | 293702-152 | |
| C373 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C374 | 0.1uF, X7R, 0402, 16V, 10% 470pF, X7R, 0402, 50V, 5% | 293702-104 | |
| C376 C377 | 10uF, X5R, 0603, 6.3V, 20% | 268366-471 313766-106J | |
| C378 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | |
| C379 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C380 | 0.1uF. X7R. 0603, 16V. 10% | 257154- | |
| 0000 | | 104K16 | |
| C381 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C382 | 0.1uF, X7R, 0603, 16V, 10% | 257154- | |
| | | 104K16 | |
| C383 | 22uF, X5R, 0805, 6.3V, 20% | 273592-226JM | |
| C384 | 22uF, X5R, 0805, 6.3V, 20% | 273592-226JM | |
| C385 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C386 | 0.1uF, X7R, 0603, 16V, 10% | 257154- 104K16 | |
| C400 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C401 | 0.01uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C402 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C403 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C404 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C405 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C406 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C407 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C408 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C409 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C410 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C411 C412 | 0.01uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% | 293702-103 293702-104 | |
| C412 | 0.1uF, X7R, 0402, 16V, 10% 0.01uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C413 | 0.1uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C414 | 0.01uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C416 | 0.1uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C417 | 0.01uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C418 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C419 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C420 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C421 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C422 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| - | | | |

SoundTouch™ Wi-Fi Module PCB Assembly

Capacitors (continued)

Capacitors (continued)

| Designator C423 C424 C426 C426 C427 C428 C429 C430 C431 C431 C432 C433 C500 C500 C500 C500 C500 C500 C500 C5 | 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 6.3V, 20% 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
|--|--|---|--|
| C424 C425 C426 C427 C426 C427 C428 C429 C430 C431 C431 C432 C433 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 296732-153 2968364-101 313766-106J 268364-101 | |
| C426 C427 C428 C429 C430 C431 C432 C433 C434 C435 C500 C501 C502 C503 C506 C507 C508 C509 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, ,50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, ,6.3V, 20% 10upF, COG, 0402, 5%, 50V | 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 273592-226JM 293702-104 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C427 C428 C429 C430 C430 C431 C432 C433 C434 C435 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, ,50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 293702-104 273592-226JM 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C428 C429 C430 C431 C431 C432 C433 C434 C435 C500 C501 C502 C503 C504 C505 C506 C506 C507 C508 C501 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0603, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 293702-104 293702-104 293702-104 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C429 C430 C431 C432 C432 C433 C434 C435 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, ,50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, ,6.3V, 20% 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 293702-104 273592-226JM 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C430 C431 C432 C433 C433 C434 C435 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 6.3V, 20% 10uF, X5R, 0603, 6.3V, 20% 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 273592-226JM 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C431 C432 C433 C434 C434 C435 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 16.3V, 20% 100pF, COG, 0402, 5%, 50V | 293702-104 273592-226JM 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C432 C433 C434 C435 C500 C501 C502 C503 C504 C505 C506 C507 C507 C507 C510 C511 C512 C513 C514 C515 C516 C516 | 22uF, X5R, 0805, 6.3V, 20% 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V | 273592-226JM 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C433 C434 C435 C500 C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 22uF, X5R, 0805, 6.3V, 20% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 273592-226JM 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C434 C435 C500 C501 C502 C503 C504 C505 C506 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, ,50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, ,6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 293702-104 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C435 C500 C501 C502 C503 C504 C505 C506 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C516 C517 | 0.1uF, X7R, 0402, 16V, 10% 0.1uF, X7R, 0603, 10%, ,50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, ,6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 293702-104 191470-104 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C500 C501 C502 C503 C503 C504 C506 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X7R, 0603, 10%, , 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 191470-104 268364-101 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C501 C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C516 C516 | 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 268364-101 313771-104C 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C515 C516 C516 | 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 1.10pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 16.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C515 C516 | 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C504 C505 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 0.1uF, X5R, 0402, 16V, 10% 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 313771-104C 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C505 C506 C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C515 C516 | 100pF, COG, 0402, 5%, 50V 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, ,6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C506 C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C516 | 0.1uF, X5R, 0402, 16V, 10% 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, ,6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 313771-104C 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C507 C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 15nF, X7R, 0402, 16V, 5% 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 296732-153 296732-153 268364-101 313766-106J 268364-101 | |
| C508 C509 C510 C511 C512 C513 C514 C515 C516 C517 | 15nF, X7R, 0402, 16V, 5% 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 296732-153 268364-101 313766-106J 268364-101 | |
| C509 C510 C511 C512 C513 C514 C515 C516 C517 | 100pF, COG, 0402, 5%, 50V 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 313766-106J 268364-101 | |
| C510 C511 C512 C513 C514 C515 C516 C517 | 10uF, X5R, 0603, , 6.3V, 20% 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 313766-106J 268364-101 | |
| C511 C512 C513 C514 C515 C516 C517 | 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C512 C513 C514 C515 C516 C517 | 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | _ | |
| C513 C514 C515 C516 C517 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C514 C515 C516 C517 | | 268364-101 | |
| C515 C516 C517 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C517 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C517 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C310 | 0.1uF, X5R, 0402, 16V, 10% | 313771-104C | |
| C519 | 0.1uF, X5R, 0402, 16V, 10% | 313771-104C | |
| C521 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C600 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C601 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C602 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C603 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C604 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C607 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C700 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C701 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C702 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C703 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C704 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C705 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C706 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C707 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C708 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C709 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C710 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C711 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C712 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C713 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C714 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 293702-104 | |
| C715 | 0.1uF, X7R, 0402, 16V, 10% | | |
| C716 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | — |
| C717 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | — |
| C718 C719 | 0.1uF, X7R, 0402, 16V, 10% 10uF, X5R, 0603, 6.3V, 20% | 293702-104 | <u> </u> |
| C720 | 10uF, X5R, 0603, 6.3V, 20% 10uF, X5R, 0603, 6.3V, 20% | 313766-106J 313766-106J | |
| C721 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C746 | 0.01uF, X7R, 0402, 16V, 10% | 293702-1003 | |
| C748 | 10nF, X7R, 0402, 16V, 10% | 268367-103 | |
| C749 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C750 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C750 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C752 | 0.01uF, X7R, 0402, 25V, 3 % | 293702-103 | |
| C768 | 10nF, X7R, 0402, 10V, 10% | 268367-103 | |
| C769 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C//I | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C771 C772 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C772 | | 268367-103 | |
| C772 C773 | 10nF, X7R, 0402, 25V, 5% | | 1 |
| C772 | 10nF, X7R, 0402, 25V, 5% 10nF, X7R, 0402, 25V, 5% | 268367-103 | |

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|---------------------------|--|
| C777 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C778 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C779 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C780 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C781 C782 | 10nF, X7R, 0402, 25V, 5% 10nF, X7R, 0402, 25V, 5% | 268367-103 268367-103 | |
| C783 | 0.01uF, X7R, 0402, 25V, 5% | 293702-103 | |
| C784 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C785 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C786 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C787 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C788 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | İ |
| C789 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C790 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C791 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C792 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C793 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C794 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C795 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C796 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C797 | 10nF, X7R, 0402, 25V, 5% 10nF, X7R, 0402, 25V, 5% | 268367-103 268367-103 | - |
| C798 C799 | 10nF, X7R, 0402, 25V, 5% 10nF, X7R, 0402, 25V, 5% | 268367-103 268367-103 | |
| C900 | 0.01uF, X7R, 0402, 25V, 5% | 293702-103 | - |
| C900 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C902 | 0.01uF, X7R, 0402, 16V, 10% | 293702-103 | |
| C1003 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C1006 | 3.3uF, X5R, 0603, 20%, 6.3V | 313766-335J | |
| C1007 | 3.3uF, X5R, 0603, 20%, 6.3V | 313766-335J | |
| C1009 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C1011 | 12pF, C0G, 0402, 5%, 50V | 268364-120 | |
| C1012 | 15pF, COG, 0402, 5%, 50V | 268364-150 | |
| C1013 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C1014 | 220pF, COG, 0402, 5%, 50V | 268364-221 | |
| C1015 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C1016 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C1017 C1018 | 1000pF, X7R, 0402, 16V, 10% 1000pF, X7R, 0402, 16V, 10% | 293702-102 293702-102 | |
| C1018 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1020 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | _ |
| C1021 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C1022 | 220pF, COG, 0402, 5%, 50V | 268364-221 | |
| C1023 | 220pF, COG, 0402, 5%, 50V | 268364-221 | |
| C1024 | 0.1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C1025 | 47pF, COG, 0402, 50V, 5% | 268364-470 | |
| C1026 | 1uF, X5R, 0402, 10%, 10V | 313771-105A | |
| C1027 | 47pF, COG, 0402, 50V, 5% | 268364-470 | |
| C1028 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C1029 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1030 | 100pF, COG, 0402, 5%, 50V | 268364-101 | - |
| C1031 | 100pF, COG, 0402, 5%, 50V | 268364-101 | - |
| C1032 C1100 | 100pF, COG, 0402, 5%, 50V 3.3uF, X5R, 0603, 20%, 6.3V | 268364-101 313766-335J | |
| C1100 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | |
| C1101 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | |
| C1102 | 22pF, COG, 0402, 50V, 5% | 268364-220 | |
| C1104 | 150pF, X7R, 0402, 16V, 10% | 293702-151 | |
| C1105 | 0.1uF, X7R, 0603, 10%, , 50V | 191470-104 | |
| C1107 | 150pF, X7R, 0402, 16V, 10% | 293702-151 | |
| C1108 | 150pF, X7R, 0402, 16V, 10% | 293702-151 | |
| C1109 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | |
| C1110 | 150pF, X7R, 0402, 16V, 10% | 293702-151 | |
| C1111 | 150pF, X7R, 0402, 16V, 10% | 293702-151 | |
| C1112 | 0.1uF, X7R, 0603, 10%, , 50V | 191470-104 | |
| C1113 | 150pF, X7R, 0402, 16V, 10% | 293702-151 | |
| C1114 | 10uF, X5R, 0603, , 6.3V, 20% | 313766-106J | - |
| C1115 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | - |
| C1116 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C1117 | 3.3uF, X5R, 0603, 20%, 6.3V 100pF, COG, 0402, 5%, 50V | 313766-335J | |
| C1200 C1201 | 1000pF, COG, 0402, 5%, 50V | 268364-101 | - |
| C1201 | 1000pF, COG, 0402, 5%, 50V | 268364-102 268364-101 | _ |
| C1202 | 100pF, COG, 0402, 5%, 50V 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1204 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| J 120 T | | | |
| C1205 | 100pF, COG, 0402, 5%, 50V | 268364-101 | 1 |

SoundTouch™ Wi-Fi Module PCB Assembly

Capacitors (continued)

Capacitors (continued)

| Reference Designator | Description | Part Number | Note |
|-------------------------|---|---------------------------|--|
| C1230 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1231 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1232 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1233 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1234 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1235 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1236 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C1237 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C1300 | 100nF, X7R, 0402, 16V, 5% | 296732-104 | |
| C1301 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1302 | 4.7uF, X5R, 0402, 20%, 4V | 313771- 475GM | |
| C1303 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1304 | 4.7uF, X5R, 0402, 20%, 4V | 313771- | |
| C1305 | 10uF, X5R, 0603, 6.3V, 20% | 475 GM | |
| C1306 | 4.7uF, X5R, 0402, 20%, 4V | 313766-106J 313771- | |
| C1306 | 4.7ur, A3K, 0402, 20%, 4V | 475GM | |
| C1307 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1308 | 4.7uF, X5R, 0402, 20%, 4V | 313771- | |
| | | 475 GM | |
| C1309 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1310 | 4.7uF, X5R, 0402, 20%, 4V | 313771- | |
| | | 475 GM | |
| C1311 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1312 | 4.7uF, X5R, 0402, 20%, 4V | 313771- | |
| 0.101.0 | 0 0 E VED 0400 0 0V 000V | 475 GM | |
| C1313 | 2.2uF, X5R, 0402, 6.3V, 20% | 329485-225M | |
| C1314 | 2.2uF, X5R, 0402, 6.3V, 20% | 329485-225M | |
| C1315 | 2.2uF, X5R, 0402, 6.3V, 20% | 329485-225M | |
| C1316 | 2.2uF, X5R, 0402, 6.3V, 20% | 329485-225M | |
| C1317 C1318 | 2.2uF, X5R, 0402, 6.3V, 20% 4.7uF, CER, 1210, X7R, 25V | 329485-225M | |
| | | 291431-475 | |
| C1319 C1320 | 0.1uF, X7R, 0603, 10%, 50V 10uF, X5R, 0603, 6.3V, 20% | 304991-104 313766-106J | |
| C1320 | 2.2uF, X5R, 0603, 6.3V, 20% | 329485-225M | |
| C1321 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1323 | 2.2uF, X5R, 0402, 6.3V, 20% | 329485-225M | |
| C1324 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1325 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1326 | 2.2uF, X5R, 0402, 6.3V, 20% | 329485-225M | |
| C1328 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1329 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1330 | 10uF, X5R, 0603, 6.3V, 20% | 313766-106J | |
| C1331 | 100nF, X7R, 0402, 16V, 5% | 296732-104 | |
| C1332 | 100nF, X7R, 0402, 16V, 5% | 296732-104 | |
| C1333 | 1uF, X5R, 0402, 10%, 10V | 313771-105A | |
| C1335 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1336 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1337 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1338 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1339 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1340 | 1000pF, X7R, 0402, 16V, 10% | 293702-102 | |
| C1500 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | |
| C1501 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | <u> </u> |
| C1502 | 100pF, COG, 0402, 5%, 50V | 268364-101 | |
| C1503 | 1000pF, COG, 0402, 5%, 50V | 268364-102 | - |
| C1508 | 0.1uF, X7r, 0603, 10%, 50V | 191470-104 | |
| C1509 | 0.1uF, X7r, 0603, 10%, 50V | 191470-104 | |
| C1510 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | <u> </u> |
| C1511 C1512 | 4.7uF, X5R, 0603, 10V, 20% 1uF, 0805, X7R, 10%, 25V | 313766-475A 181264-105 | |
| C1512 | 0.1uF, X7r, 0603, 10%, 50V | 191470-104 | |
| C1513 | 0.1uF, X7r, 0603, 10%, 50V | 191470-104 | |
| C1515 | 10uF, 1206, X7R, 10V, 10% | 260361-1062 | |
| C1516 | 0.1uF, X7R, 0603, 10%, , 50V | 191470-104 | |
| C1517 | 1.0nF, 0603, COG, SMD, 25V, 5%, | 268368-102 | |
| C1518 | 1.0nF, 0603, COG, SMD, 25V, 5%, | 268368-102 | |
| C1519 | 1000pF, X7R, 1206, 2000V, 20% | 359294-102M | |
| C7100 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7101 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7102 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7103 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7104 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| 07405 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7105 | 10HF, A/R, 0402, 23V, 3% | 200001100 | |

| Reference | Description | Part Number | Note |
|------------|--------------------------|-------------|------|
| Designator | | | |
| C7107 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7108 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7109 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7110 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7111 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7112 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |
| C7113 | 10nF, X7R, 0402, 25V, 5% | 268367-103 | |

Inductors

| Reference | Description | Part Number | Note |
|------------|--|-------------|------|
| Designator | ' | | |
| FB300 | BEAD, FERRITE, 0805, 1.5A, 330 OHM | 267539-331 | |
| FB301 | 120 OHM, FERRITE BEAD, CHIP, 0603 | 259925-121 | |
| FB302 | FERRITE BEAD, CHIP, 0603, 120 | 259925-121 | |
| FB303 | OHM 120 OHM, FERRITE BEAD, CHIP, | 259925-121 | |
| FB304 | 0603 120 OHM, FERRITE BEAD, CHIP, | 259925-121 | |
| FB305 | 0603 120 OHM, FERRITE BEAD, CHIP, | 259925-121 | |
| FB306 | 0603 FERRITE BEAD, CHIP, 0603, 120 OHM | 259925-121 | |
| FB307 | BEAD, FERRITE, 0805, 1.5A, 330 OHM | 267539-331 | |
| FB900 | 120 OHM, BEAD, FERRITE, 0402, 0.3A | 324216-121B | |
| FB1100 | 120 OHM, BEAD, FERRITE, 0402, 0.3A | 324216-121B | |
| FB1101 | 120 OHM, BEAD, FERRITE, 0402, 0.3A | 324216-121B | |
| FB1102 | BEAD, FERRITE, 0402, 120 OHM, 0.3A | 324216-121B | |
| FB1103 | BEAD, FERRITE, 0402, 120 OHM, 0.3A | 324216-121B | |
| FB1104 | 120 OHM, BEAD, FERRITE, 0402, 0.3A | 324216-121B | |
| FB1106 | BEAD, FERRITE, 0402, 120 OHM, 0.3A | 324216-121B | |
| FB1107 | BEAD, FERRITE, 0402, 120 OHM, 0.3A | 324216-121B | |
| FB1202 | 120 OHM, FERRITE BEAD, CHIP, 0603 | 259925-121 | |
| FB1203 | FERRITE BEAD, CHIP, 0603, 120 OHM | 259925-121 | |
| FB1300 | 120 OHM, FERRITE BEAD, 1206 | 326348-121 | |
| FB1502 | FERRITE BEAD, CHIP, 0603, 120 OHM | 259925-121 | |
| FB1503 | BEAD, FERRITE, 0805, 1.5A, 330 OHM | 267539-331 | |
| L18 | 120 OHMS, FERRITE, BEAD, 0603, BLM18P | 302257-121 | |
| L22 | HI FREQ, 0402, 125C, 4.7nH | 354810-4R7S | |
| L24 | HI FREQ, 0402, 125C, 1.8nH | 354810-1R8S | Ī |
| L38 | 0 OHM, JUMPER, 0402 | 280043 | i e |
| L1200 | 0504, 90 OHMS, 150mA, C- MODE | 324381-090D | |
| L1300 | POWER, 2520, 125C, 20%, 4.7uH | 348739-4R7M | |
| L1301 | POWER, 2520, 125C, 20%, 2.2uH | 348739-2R2M | Ì |
| L1302 | POWER, 2520, 125C, 20%, 2.2uH | 348739-2R2M | |
| L1303 | POWER, 2520, 125C, 20%, 2.2uH | 348739-2R2M | |
| L1304 | POWER, 2520, 125C, 20%, 2.2uH | 348739-2R2M | Ì |
| L1305 | POWER, 2520, 125C, 20%, 2.2uH | 348739-2R2M | İ |
| L1306 | POWER, 2520, 125C, 20%, 2.2uH | 348739-2R2M | i e |

SoundTouch™ Wi-Fi Module PCB Assembly

Diodes

Integrated Circuits (continued)

| Reference | Description | Part Number | Note |
|------------|--|-------------|------|
| Designator | | | |
| D500 | SOT-23, BAV 99 | 147239 | |
| D501 | SOT-23, BAV 99 | 147239 | |
| D502 | SOT-23, BAV 99 | 147239 | |
| D601 | SOT-23, BAV 99 | 147239 | |
| D1000 | SOT-23, BAV 99 | 147239 | |
| D1001 | SOT-23, BAV 99 | 147239 | |
| D1101 | SWITCHING, 100V, BAV99, SOT363 | 319113-001 | |
| D1200 | SOT-23, BAV 99 | 147239 | |
| D1201 | SOT-23, BAV 99 | 147239 | |
| D1300 | SCHTKY, SC70, 30V, SINGLE | 268381-001 | |
| D1301 | SCHOTTKY, DUAL, SERIES, 20V, SOT-23 | 342827-0010 | |
| D1302 | SCHTKY, SC70, 30V, SINGLE | 268381-001 | |
| DS601 | DUAL, LED, RED, GRN, CM_ANOD | 316292-001 | |
| VR1100 | DIODE, TVS, ESD, 24VDC, 0603 | 352782-0010 | |
| VR1101 | DIODE, TVS, ESD, 24VDC, 0603 | 352782-0010 | |
| VR1102 | DIODE, TVS, ESD, 24VDC, 0603 | 352782-0010 | |

Transistors

| Reference Designator | Description | Part Number | Note |
|-------------------------|-----------------------------------|-------------|------|
| Q1300 | MOSFET, N-CHAN, 2N7002, SOT523 | 309607-001 | |
| Q500 | BPLR, N, 40V, 200mA, SOT23 | 146819 | |
| Q501 | MOSFET, P-CH, 3.8A, 30V, SOT-23 | 348008-0010 | |
| Q600 | BPLR, P, 40V, 200mA, SOT23 | 148596 | |
| Q601 | N, MFET, 2.5V, SOT-23 | 252043 | |
| Q602 | BPLR, P, 40V, 200mA, SOT23 | 148596 | |

Integrated Circuits

| Reference | Description | Part Number | Note |
|------------|----------------------------------|-------------|------|
| Designator | | | |
| U5 | POWER AMP, 2.4GHz, | 353372-0010 | |
| | SST12LP15A, 16VQFN | 0000.200.0 | |
| U7 | RF TRANSCEIVER, 2.4GHz, | 353400-0010 | |
| | T6201C, QFN48 | | |
| U8 | FILTER, BALUN, 2,4GHz. | 353392-0010 | |
| | HHM1711D1, 0603-6 | | |
| U22 | FILTER, BANDPASS, 0603-4, | 353361-0010 | |
| | 2.4GHz | | |
| U23 | FILTER, BANDPASS, 0603-4. | 353361-0010 | |
| | 2.4GHz | | |
| U28 | ANALOG SW, 6GHz, DPDT, | 353365-0010 | |
| | HWS410, 12QFN | | |
| U100 | IC, SoC, MEDIA PROC, DM870A, | 354024-0010 | |
| | 320LFBGA | | |
| U100A | PAD, THERMAL, CONDUCTIVE | 371259-0010 | |
| U200 | MEM, FLASH, NOR, 3.6V, 70nS, | N/A | |
| | 64Mb, 64LFBGA | | |
| U203 | MEM, SDRAM, 3.3V, 167MHz, | 353272-0082 | |
| | 128Mb, VFBGA54 | | |
| U203A | PAD, THERMAL, CONDUCTIVE | 371259-0010 | |
| U301 | CODEC, AUDIO, W/DSP, 32b, | 353341-0010 | |
| | 192kHz, 40WQFN | | |
| U401 | MEM, SDRAM, DDR3, 64Mbx16, | N/A | |
| | 1.25nS, 96FBGA | | |
| U401A | PAD, THERMAL, CONDUCTIVE | 371259-0010 | |
| U402 | MEM, FLASH, NAND, 1.8V, 2GbX8, | 344693-0020 | |
| | 63VFBGA | | |
| U500 | SOC, ARM A8, 105C, 1.1V, 600MHz, | 369713-0040 | |
| | 324PBGA | | |
| U500A | PAD, THERMAL, CONDUCTIVE | 371259-0010 | |
| U501 | AUTHC, COPROCESSOR, APPLE, | 351292-0010 | |
| | 2.0C | | |
| U502 | BUFFER, NON-INV, SINGLE, | 347398-0010 | |
| 11500 | 74VHC1G125, SC70 | 000400 0040 | |
| U503 | V LEVEL, TRANSLATOR, CONFIG., | 326120-0010 | |
| 11000 | SOT-23 | 24.0704.004 | |
| U602 | IC, SCHMITT TRIGGER, INVERT,5V | 310791-001 | |
| U604 | IC, INVERTER, DUAL, 50mA, 5V | 280293-001 | |
| U700 | IC, LINEAR REG, TPS51200, DDR | 319515-001 | |
| 114000 | TERMINATION | N1/A | - |
| U1000 | IC, SoC, BLUETOOTH, 2.4GHz, | N/A | |
| | CC2540F256, 40QFN | | |

| Reference | Description | Part Number | Note |
|------------|---|-------------|------|
| Designator | | | |
| U1101 | DAC, 192kHz, 24Bit, 2ch, AK4384 | 299344-001 | |
| U1105 | STEREO ADC, 24-Bit, 192kHz | 307160-001 | |
| U1200 | Inverter, Dual, 50mA, 5V | 280293-001 | |
| U1300 | PWR MNGMT, Li-ION, TPS650250, 32QFN | 347568-0010 | |
| U1302 | VOLT REG, SW, ADJ, DC-DC, TPS65910, 48QFN | 354002-0010 | |
| U1304 | IC, LOGIC, SCHMITT INV, DUAL, 74LVC2G14, SC70 | 310351-002 | |
| U1500 | ETHERNET, PHYSICAL, LAN, TxRx, | 353306-0010 | |

| Reference Designator | Description | Part Number | Note |
|-------------------------|---|--------------|----------|
| J900 | CONN., RF, COAXIAL, WITH SWITCH | 316679-001 | |
| J1200 | CONN, FFC, 0.5mm, S ENTRY, 10POS, IVRY | 349234-0010 | |
| J1201 | CONN, FFC, 0.5mm, S ENTRY, 31POS, W/SHIELD | 31 062 3-031 | |
| J1202 | CONN, FFC, 0.5mm, SMT, S ENTRY, 12 POS, IVRY | 349234-0012 | |
| J1203 | CONN, FFC, 0.5mm, S ENTRY, 40 POS | 310573-040 | |
| CON3 | CONN., RF, COAXIAL, WITH SWITCH | 316679-001 | |
| CON4 | CONN., RF, COAXIAL, WITH SWITCH | 316679-001 | |
| FL1000 | FILTER, CERAMIC, BAND PASS, 2.45GHz, 0603-6 | 354643-0010 | |
| SHLD1 | SHIELD, RF MODULE, TOP FRAME | 353966-0010 | |
| SHLD1- TOP | SHIELD, RF MODULE, TOP COVER | 353965-0010 | |
| SHLD2- BOT | SHIELD, RF MODULE, BOTTOM COVER | 353967-0010 | |
| SHLD300 | SHIELD, FENCE, DSP | 355254-0010 | |
| SHLD300- TOP | SHIELD, COVER, DSP | 355249-0010 | |
| SHLD301- BOT | SHIELD, COVER, DSP | 355249-0010 | |
| SHLD400 | SHIELD, FENCE, BT, TOP | 355262-0010 | |
| SHLD400- TOP | SHEILD, COVER, BT, TOP | 355261-0010 | |
| SHLD401- BOT | SHIELD, COVER, BT, BOTTOM | 355257-0010 | |
| W1 | 47pF, COG, 0402, 50V, 5% | 268364-470 | |
| W1000 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1001 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1003 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1004 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1103 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1104 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1105 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1300 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1301 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1302 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1303 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1304 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1305 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1306 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1307 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1308 | 0 OHM, JUMPER, 0402 | 280043 | <u> </u> |
| W1309 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1310 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1312 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1313 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1315 | 0 OHM, JUMPER, 0402 | 280043 | <u> </u> |
| W1316 | JUMPER, CHIP, 0603 | 196042 | |
| W1317 | JUMPER, CHIP, 0603 | 196042 | |
| W1319 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1320 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1321 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1322 | 0 OHM, JUMPER, 0402 | 280043 | |
| W1500 | 0 OHM, JUMPER, 0402 | 280043 | |
| W2 | 47pF, COG, 0402, 50V, 5% | 268364-470 | <u> </u> |
| W503 | 0 OHM, JUMPER, 0402 | 280043 | |
| | | | |

Amp PCB Assembly

Resistors

Capacitors (continued).

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|----------------------------|------|
| R200 | 499K, 0402, 63MW, 1% | 268361-4993 | |
| R201 | 78.7K, 0402, 63MW, 1% | 268361-7872 | |
| R202 | 499K, 0402, 63MW, 1% | 268361-4993 | |
| R203 | 100K, 0402, 63MW, 1% | 268361-1003 | |
| R204 | 100K, 0402, 63MW, 1% | 268361-1003 | |
| R205 | 4.53K, 0402, 0.063W, 1% | 268361-4531 | |
| R206 | 10K, 0402, 63MW, 1% | 268361-1002 | |
| R207 | 10K, 0603, .1W, .1% | 325009-1002 | |
| R208 | 4.12K, 0603, .1W, .1% | 325009-4121 | |
| R209 | 100 OHM, 0805, .125W, 1% | 133625-1000 | |
| R210 | 33 OHM, 0402, 1/16W, 1% | 268361-33R0 | |
| R211 | 49.9 OHM, 0402, 63MW, 1% | 268361-49R9 | |
| R213 | .03 OHMS, 1210, 0.5W, 5% | 318356-300J | |
| R214 | 10K, 0402, 63MW, 1% | 268361-1002 | |
| R215 | 100K, 0402, 63MW, 1% | 268361-1003 | |
| R216 | 1K, 0402, 63MW, 1% | 268361-1001 | |
| R300 | 2K, 0402, 63MW, 1% | 268361-2001 | |
| R301 | 2K, 0402, 63MW, 1% | 268361-2001 | |
| R302 | 2K, 0402, 63MW, 1% | 268361-2001 | |
| R303 | 2K, 0402, 63MW, 1% | 268361-2001 | |
| R304 | 3K, THERMISTOR, B4500, 0603, 5% | 316463-3001 | |
| R305 | 22.1K, 0402, 63MW, 1% | 268361-2212 | |
| R306 | 22.1K, 0402, 63MW, 1% | 268361-2212 | |
| R307 | 100K, 0402, 63MW, 1% | 268361-1003 | |
| R308 | 1K, 0402, 63MW, 1% | 268361-1001 | |
| R309 | 1K, 0402, 63MW, 1% | 268361-1001 | |
| R310 | 1K, 0402, 63MW, 1% | 268361-1001 | |
| R311 | 1K, 0402, 63MW, 1% | 268361-1001 | |
| R314 | 10 OHM, 0402, 63MW, 1% | 268361-10R0 | |
| R315 | 10 OHM, 0402, 63MW, 1% | 268361-10R0 | |
| R316 | 49.9 OHM, 0805, .125W, 1% | 133625-49R9 | |
| R317 R318 | 49.9 OHM, 0805, .125W, 1% 49.9 OHM, 0805, .125W, 1% | 133625-49R9 133625-49R9 | |
| R319 | 49.9 OHM, 0805, .125W, 1% | 133625-49R9 | |
| R320 | 10K, 0402, 63MW, 1% | 268361-1002 | |
| R321 | 1.58K, 0402, 63MW, 1% | 268361-1581 | |
| R322 | 1.38K, 0402, 63MW, 1% 100K, 0402, 63MW, 1% | 268361-1003 | |
| R323 | 49.9K, 0402, 63MW, 1% | 268361-4992 | |
| R400 | 100K, 0805, .125W, 1% | 133625-1003 | |
| R401 | 15K, 0805, .125W, 1% | 133625-1502 | |
| R403 | 100K, 0805, .125W, 1% | 133625-1003 | |
| R404 | 10K, 0805, .125W, 1% | 133625-1002 | |
| R405 | 49.9 OHM, 0805, .125W, 1% | 133625-49R9 | |
| R406 | 49.9 OHM, 0805, .125W, 1% | 133625-49R9 | |
| R407 | 10K, 0402, 63MW, 1% | 268361-1002 | |
| R408 | 40.2K, 0402, 63MW, 1% | 268361-4022 | |
| R500 | 121 K, 0402, 63MW, 1% | 268361-1213 | |
| R501 | 200K, 0402, 63MW, 1% | 268361-2003 | |
| R502 | 118K, 0402, 63MW, 1% | 268361-1183 | |
| R503 | 33.2K, 0402, 1/16W, 1% | 268361-3322 | |
| R504 | 232K, 0402, 0.063W, 1% | 268361-2323 | |
| R505 | 43.2K, 0402, 63MW, 1% | 268361-4322 | |
| R506 | 5.11K, 0402, 63MW, 1% | 268361-5111 | |
| R507 | 0 OHM, JUMPER, 0402 | 280043 | |
| R508 | 10K, 0402, 63MW, 1% | 268361-1002 | |
| R509 | 1K, 0402, 63MW, 1% | 268361-1001 | |
| R512 | 41.2K, 0402, 0.063W, 1% | 268361-4122 | |

Capacitors

| Reference | Description | Part Number | Note |
|------------|---------------------------------------|-------------|------|
| Designator | | | |
| C200 | 10nF, X7R, 0402, 50V, 5% | 268366-103 | |
| C201 | 10nF, X7R, 0402, 50V, 5% | 268366-103 | |
| C204 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C205 | 1uF, X5R, 0402, 6.3V, 10% | 313771-105J | |
| C207 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C208 | .1uF, X7R, 0603, 50V, 10% | 191470-104 | |
| C209 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C210 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C211 | 1uF, X5R, 0603, 10V, 10% | 278992-105 | |
| C212 | 2.2uF, X7R, 1206, FLEX TERM, 50V, 10% | 308754-225 | |

| Reference | Description | Part Number | Note |
|--------------|--|--------------------------|------|
| Designator | Description | Part Number | Note |
| C213 | .1uF, X7R, 0603, 50V, 10% | 191470-104 | |
| C214 | 2200pF, X7R, 0603, 50V, | 191470-222 | |
| C216 | 100uF, EL, SMD, 105C, 35V, 20% | 306245-101 EE | |
| C217 | 10uF, EL, SMD, 105, 35V, 20% | 306245-100EB | |
| C218 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C219 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C221 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C300 | 1nF, X7R, 0402, 50V, 5% | 268366-102 268366-102 | |
| C301 C302 | 1nF, X7R, 0402, 50V, 5% 1nF, X7R, 0402, 50V, 5% | 268366-102 | |
| C303 | 1nF, X7R, 0402, 50V, 5% | 268366-102 | |
| C304 | 1nF, X7R, 0402, 50V, 5% | 268366-102 | |
| C305 | 1nF, X7R, 0402, 50V, 5% | 268366-102 | |
| C306 | .22uF, 1206, X7R, LD, 25V, 10% | 306105-224 | |
| C307 | .22uF, 1206, X7R, LD, 25V, 10% | 306105-224 | |
| C308 | .22uF, 1206, X7R, LD, 25V, 10% | 306105-224 | |
| C309 | .22uF, 1206, X7R, LD, 25V, 10% | 306105-224 | |
| C310 | 1uF, X5R, 0603, 10V, 10% | 278992-105 | |
| C311 | 1uF, X5R, 0603, 10V, 10% | 278992-105 | |
| C312 | 1uF, X7R, 0603, 16V, 10% | 257154- | |
| C313 | 1uF, X7R, 0603, 16V, 10% | 105K16 | |
| 0010 | 101, 7/13, 0003, 100, 10% | 257154- 105K16 | |
| C314 | 2.2 nF, X7R, 0402, 50V, 5% | 268367-222 | |
| C315 | 3.3nF, X7R, 0402, 25V, 5% | 268367-332 | |
| C316 | 2.2 nF, X7R, 0402, 50V, 5% | 268367-222 | |
| C317 | 3.3nF, X7R, 0402, 25V, 5% | 268367-332 | |
| C318 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C319 | .47uF, 0805, X7R, 50V, 10% | 133623-474 | |
| C320 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C321 | .47uF, 0805, X7R, 50V, 10% | 133623-474 | |
| C322 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C323 | .47uF, 0805, X7R, 50V, 10% | 133623-474 | |
| C324 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C325 | .47uF, 0805, X7R, 50V, 10% | 133623-474 | |
| C326 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C327 C328 | .1uF, X7R, 0603, 10%, 50V .1uF, X7R, 0603, 10%, 50V | 304991-104 304991-104 | |
| C329 | .1uF, X7R, 0603, 10%, 50V | 304991-104 | |
| C330 | 1uF, X7R, 1206, OPEN, 16V, 10% | 283163-105 | |
| C331 | 1uF, X7R, 1206, OPEN, 16V, 10% | 283163-105 | |
| C332 | 1uF, X7R, 1206, OPEN, 16V, 10% | 283163-105 | |
| C333 | 2.2 nF, X7R, 0402, 50V, 5% | 268366-222 | |
| C334 | 1uF, X7R, 1206, OPEN, 16V, 10% | 283163-105 | |
| C335 | 2.2 nF, X7R, 0402, 50V, 5% | 268366-222 | |
| C336 | 2.2 nF, X7R, 0402, 50V, 5% | 268366-222 | |
| C337 | 2200pF, C0G, 0402, 25V, 5% | 328166-222 | |
| C338 | 2.2 nF, X7R, 0402, 50V, 5% | 268366-222 | |
| C339 | 2200pF, C0G, 0402, 25V, 5% | 328166-222 | |
| C340 | 1000pF, COG, 0402, 50V, 5% | 268364-102 | |
| C341 | 680 uF, EL, SMD, 105, 16V, 20% | 306169-681CJ | |
| C342 | 1000pF, COG, 0402, 50V, 5% | 268364-102 | |
| C343 | 1000pF, COG, 0402, 50V, 5% | 268364-102 | |
| C344 C345 | 2200pF, COG, 0402, 25V, 5% 1000pF, COG, 0402, 50V, 5% | 328166-222 268364-102 | |
| C345 | 680uF, EL, SMD, 105, 16V, 20% | 306169-681CJ | |
| C346 | 1nF, X7R, 0402, 50V, 5% | 268366-102 | |
| C348 | 1uF, 1206, X7R, LD, 25V, 10% | 306105-105 | |
| C349 | 1uF, 1206, X7R, LD, 25V, 10% | 306105-105 | |
| C350 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C351 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C352 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C353 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C354 | 2200pF, C0G, 0402, 25V, 5% | 328166-222 | |
| C400 | 1uF, 0805, X7R, 50V, 10% | 286499-104 | |
| C401 | 1000pF, 0603, X7R, 50V, 10% | 191470-102 | |
| C402 | 1000pF, 0603, X7R, 50V, 10% | 191470-102 | |
| C403 | .1uF, X7R, 0402, 16V, 10% | 293702-104 | |
| C500 | 2.2uF, X7R, 1206, FLEX TERM, 50V, 10% | 308754-225 | |
| C501 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C502 | .01uF, 0603, X7R, 50V, 10% | 304991-103 | |
| C503 | 4.7uF, X5R, 0603, 10V, 20% | 313766-475A | |
| C504 | .1uF, X7R, 0402, 16V, 10% | 293702-104 | l |

Amp PCB Assembly

Capacitors (continued)

| Reference Designator | Description | Part Number | Note |
|-------------------------|---------------------------------|--------------|------|
| C507 | 1uF, X5R, 0402, 10V, 10% | 313771-105A | |
| C508 | 470pF, X7R, 0402, 50V, 5% | 268366-471 | |
| C509 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |
| C513 | 100uF, EL, SMT, 105C, 10V, 20% | 359890-101A | |
| C514 | 100 uF, EL, SMD, 105C, 35V, 20% | 306245-101EE | |
| C515 | 1uF, X5R, 0402, 10V, 10% | 313771-105A | |
| C516 | 1nF, X7R, 0402, 50V, 5% | 268366-102 | |
| C517 | 1uF, X5R, 0402, 10V, 10% | 313771-105A | |
| C558 | 100pF, COG, 0402, 50V, 5% | 268364-101 | |

Inductors

| Reference Designator | Description | Part Number | Note |
|-------------------------|---------------------------------|-------------|------|
| L200 | 22uH, 2.5A, 10mm, SMT, 20% | 266922-220 | |
| L302 | 200 uH, COMMON MODE, SMT | 360703-0010 | |
| L303 | 200 uH, COMMON MODE, SMT | 360703-0010 | |
| L501 | 15uH, SMT, 6.3X6.3mm, 2.5A, 20% | 353718-150M | |
| L502 | 120OHM, 1206 | 326348-121 | |

Diodes

| Reference Designator | Description | Part Number | Note |
|-------------------------|---------------------------|-------------|------|
| D200 | SCHTKY, SC70, 30V, SINGLE | 268381-001 | |
| D201 | SCHTKY, SC70, 30V, SINGLE | 268381-001 | |
| D202 | SCHTKY, SC70, 30V, SINGLE | 268381-001 | |
| D203 | SCHTKY, SC70, 30V, SINGLE | 268381-001 | |
| D400 | SOT-23, BAV 99 | 147239 | |

Transistors

| Reference | Description | Part Number | Note |
|------------|---------------------------------|-------------|------|
| Designator | | | |
| Q200 | MFET, N-CH, 0.3A, 60V, SOT-23 | 356154-0010 | |
| Q201 | MOSFET, P-CH, 3.8A, 30V, SOT-23 | 348008-0010 | |
| Q202 | MOSFET, P-CH, 3.8A, 30V, SOT-23 | 348008-0010 | |
| Q203 | MOSFET, P-CH, 3.8A, 30V, SOT-23 | 348008-0010 | |
| Q300 | DUAL MFET, NP, 20V, 0.43/0.54A | 326923-0010 | |
| Q400 | MFET, SOT23-6, P-CH, 60V, 3A | 275417 | |
| Q401 | BPLR, P, 40V, 200mA, SOT23 | 148596 | |
| Q402 | MFET, SOT23-6, P-CH, 60V, 3A | 275417 | |
| Q500 | MFET, N-CH, 0.3A, 60V, SOT-23 | 356154-0010 | |
| Q502 | MFET, N-CH, 8.5A, 30V, 6QFN | 356053-0010 | |

Integrated Circuits

| Reference Designator | Description | Part Number | Note |
|-------------------------|---|-------------|------|
| U200 | BATTERY CHARGER, 24V, BQ24753A | 327294-0010 | 3, |
| U201 | MFET, N-CH, DUAL, 3A, 50V, 8SO | 289259-001 | |
| U300 | PWR AMP, 15W, CLASS D, 26V | 327287-0010 | 3, |
| U301 | PWR AMP, 15W, CLASS D, 26V | 327287-0010 | 3, |
| U400 | EEPROM, 256X8 BITS | 252864-002 | |
| U500 | VREG, SW, 2.5A, 5V, 2.2MHz, ISL85403,20QFN | 354533-0020 | |
| U516 | O/V PROTECT, 7.20V, NCP367, 8DFN | 355357-0040 | |

| Reference | Description | Part Number | Note |
|------------|----------------------------------|-------------|------|
| Designator | | | |
| J200 | CONN, HEADER, R/A, 5-P, 2MM | 330282-0054 | |
| | PITCH, BATTERY | | |
| J300 | CONN, HEADER, 4POS, 1.25mm, | 330701-0004 | |
| | MALE, WHITE | | |
| J301 | CONN, HEADER, 5POS, 1.25mm, | 330701-0005 | |
| | MALE, WHITE | | |
| J400 | CONN, FFC, 0.5mm, T ENTRY, | 269863-016 | |
| | 16POS,WHT | | |
| J401 | CONN, FFC, 0.5mm, T ENTRY, | 269863-040 | |
| | 40POS, WHT | | |
| VR354 | 100pF, VARISTOR, 0603, 26V, 0.1J | 374737-260C | |
| VR355 | 100pF, VARISTOR, 0603, 26V, 0.1J | 374737-260C | |
| VR356 | 100pF, VARISTOR, 0603, 26V, 0.1J | 374737-260C | |
| VR357 | 100pF, VARISTOR, 0603, 26V, 0.1J | 374737-260C | |
| W400 | 0 OHM, JUMPER, 0402 | 280043 | |
| ZR400 | 100 OHM, ZENER, 22V | 307428-22 | |

I/O PCB Assembly

Resistors

| Reference | Description | Part Number | Note |
|------------|-----------------------|-------------|------|
| Designator | | | |
| R600 | 20.0K, 0402, 63MW, 1% | 268361-2002 | |
| R601 | 20.0K, 0402, 63MW, 1% | 268361-2002 | |
| R614 | 10.0K, 0402, 63MW, 1% | 268361-1002 | |
| R617 | 100K, 0402, 63MW, 1% | 268361-1003 | |
| R619 | 100K, 0402, 63MW, 1% | 268361-1003 | |
| R624 | 243K, 0402, 63MW, 1% | 268361-2433 | |
| VR600 | TVS, ESD, 24VDC, 0603 | 352782-0010 | |
| VR601 | TVS, ESD, 24VDC, 0603 | 352782-0010 | |
| VR602 | TVS, ESD, 24VDC, 0603 | 352782-0010 | |
| VR603 | TVS, ESD, 24VDC, 0603 | 352782-0010 | |
| VR604 | TVS, ESD, 24VDC, 0603 | 352782-0010 | |

Capacitors

| Reference Designator | Description | Part Number | Note |
|-------------------------|---------------------------|-------------|------|
| C600 | 10uF, X5R, 0805, 25V, 10% | 273592-106E | |
| C601 | 1uF, X7R, 0603, 16V, 10% | 257154- | |
| | | 105K16 | |

Diodes

| Reference Designator | Description | Part Number | Note |
|-------------------------|------------------------------|-------------|------|
| D600 | SOT-23, BAV 99 | 147239 | |
| ZR615 | ZEN, 6.2V, SOT-23, 225MW, 5% | 135247-5234 | |

Transistors

| Reference Designator | Description | Part Number | Note |
|-------------------------|---------------------------------|-------------|------|
| Q602 | MOSFET, P-CH, 3.8A, 30V, SOT-23 | 348008-0010 | |
| Q620 | MFET. N-CH. SOT-23, 0.3A, 60V | 356154-0010 | |

Integrated Circuits

| Reference Designator | Description | Part Number | Note |
|-------------------------|-------------------------------------|-------------|------|
| U602 | O/V PROTECT, 5.85V, NCP367, 8DFN | 355357-0010 | |

| Reference Designator | Description | Part Number | Note |
|-------------------------|--|-------------|------|
| J600 | CONN, USB, MICRO AB, S ENTRY, BLK, GOLD | 354388-0010 | |
| J601 | CONN, FFC, 0.5mm, T ENTRY, 16POS, WHT | 269863-016 | |
| J602 | CONN, PHONE, 3.5MM, FEMALE, 7POS, BLK | 330462-0010 | |
| J603 | CONN, DC, 2POS, 2.8mm, 5A, 16V, BLK | 343559-0020 | |
| J604 | CONN, FFC, 0.5mm, T ENTRY, 31POS, BLK | 353979-0031 | |

Button PCB Assembly

Resistors

| Reference Designator | Description | Part Number | Note |
|-------------------------|------------------|-------------|------|
| R300 | JUMPER,CHIP,1206 | 124896 | |

| Reference Designator | | | Note |
|-------------------------|----------------------------|-------------|------|
| J300 | CONN, FFC, 0.5mm, S ENTRY, | 349234-0010 | |
| | 10POS, IVRY | | |

DISASSEMBLY PROCEDURE

1. Grill removal



1.1 Remove the two screws located on the bottom of the product using a standard 2.5mm allen key. Bose® part number 349601-0025.



1.2 Push the rear cover down and lift upward to release.



1.3 Remove the two screws securing the grille assembly.



1.4 Push the grille assembly down and lift upward to release. Then remove the cable from the Wi-Fi Module to the display board connector J200.

! Important Note: Take ESD precautions when connecting or disconnecting the OLED display. Refer to page 5 for ESD precautions.

Important Note: The display assembly must be replaced with the display assembly listed in the main part list. There are different OLEDs that need to match the display PCB. The display assembly listed in the main part list uses a matched OLED and display PCB.

2. End Cap Removal



- **2.1** Remove the two screws holding the end caps to the enclosure.
- **2.2** Push each end cap down to release the hooks holding them in place.

3. Rear Cover and Top Cap Removal



3.1 Remove the three screws holding the rear cover. Then remove the two screws holding the top cap.



DISASSEMBLY PROCEDURE CONTINUED

4. Wi-Fi Module



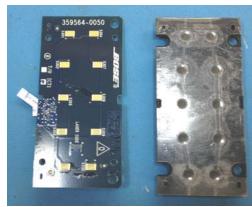
- **4.1** Disconnect the two cables that connect to the Wi-Fi module. J1201 and J1202.
- **4.2** Remove the eight screws holding the Wi-Fi Module to the top cap.



4.3 Remove the single screw holding the Wi-Fi Module to the top cap frame.

5. Key Pad and Button Board disassembly



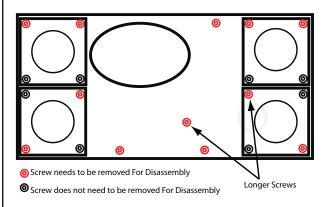


5.1 The key pad and the button board are attached by PSA (Pressure Sensitive Adhesive). When replacing the button board, replace both parts.

Key pad part number - 355698-0030 Button PCB part number - 354789-001S

DISASSEMBLY PROCEDURE CONTINUED

6. Acoustic Enclosure Disassembly



6.1 To disassemble the acoustic enclosure, it is not necessary to remove all 20 screws. Remove only the 12 screws shown in red above.

Note: Two of the screws shown with arrows are twice the length of the other screws. Ensure they are placed back in to the original locations.



6.2 Carefully separate the front and rear enclosures and pull them apart to gain access to the internal parts. It is important to not damage the existing MIP (mold in place) gasket.



6.3 Disconnect the cable from the Amplifier board to separate the front and rear enclosure.

7. Removing and replacing the MIP (Mold In Place) gasket

The SoundTouch™ Mobile system uses a MIP (Mold In Place) gasket that acoustically seals the front and rear enclosure assemblies. See below.

This MIP gasket cannot be recreated by the service group. If the gasket is damaged, it will need to be fully removed and replaced with gasket strips. These strips are similar to double sided tape.

Note: The gasket only needs to be replaced if damaged or it can no longer acoustically seal the front and rear enclosures.

349600-001S - Gasket Strips, Service Kit





7.1 Remove the existing MIP gasket if damaged by separating it from the enclosure.

DISASSEMBLY PROCEDURE CONTINUED

Acoustic Enclosure disassembly (continued)



7.1 Use the gasket strip kit (part number 349600-001S) to replace the gasket. See above.

Make sure the gasket strips are not placed beyond the outside of the assembly. This would result in a cosmetic defect.

Once the system is fully assembled, an air leak test must be performed to confirm the acoustic seal is correct.

8. Amplifier PCB Removal



- **8.1** Remove the two cables connecting the four driver assemblies.
- **8.2** Remove the two screws holding the Amplifier board to the front enclosure.

9. I/O PCB Removal



9.1 Remove the two screws securing the I/O PCB.

TEST PROCEDURES

SoundTouch™ Portable Digital Music System Functional Tests

Equipment Required

Audio Signal Generator

Notes:

- **1.** Begin the test with the volume set to zero.
- **2.** Confirm the Audio Signal Generator output is set to zero volts before connecting.

1. Air Leak Test

- **1.1** Connect the audio signal generator to the mini jack AUX input on the back of Sound-Touch Portable
- **1.2** Set the signal generator output to:
 - A. Voltage = 0V
 - B. Frequency = 80Hz +/- 10%
- **1.3** Press the power button on the Sound-Touch Portable, and select AUX input. Press and hold the volume plus button for 15 seconds, this should set the system to max volume.
- **1.4** Set the Signal generator output to:
 - A. Input Voltage = 0.06 Vrms +/- 10%
 - B. Frequency = 80Hz + /- 5Hz
- **1.5** Listen for air leaks around all the cabinet seams, joints, and wire harness throughholes.

PASS if no audible air leaks can be heard at a distance of less than 1ft (0.3M) from any exterior surface of the enclosure.

FAIL if any air leaks can be heard at a distance less than 1ft (0.3M) from any exterior surface of the enclosure.

2. Left / Right Driver Test

- **2.1** Apply an input signal to the SoundTouch left channel only. Set the generator as in step 1.4 except set the frequency to 800Hz and confirm that only the left driver plays.
- **2.2** Reduce the generator output to zero volts
- **2.3** Repeat step 3.1 for the right channel.
- **2.4** Reduce the input signal to zero volts and reconnect the right channel.

3. Frequency Sweep Test

- **3.1** Set audio signal generator to:
 - A. Voltage = $0.120 \text{ Vrms } \pm 10\%$
 - B. Sweep range = $70Hz 3KHz \pm 10\%$
- **3.2** Execute the sweep for a minimum of 3 seconds up and 3 seconds down.
- **3.3** Listen for any extraneous noises such as buzzes, rattles, ticks, and distortion.

PASS if no noise can be heard at a distance of less than 1ft (0.3M).

FAIL if any noise can be heard at a distance less than 1ft (0.3M).

3.4 Reduce the input signal to zero volts.

SOFTWARE UPDATES

SoundTouch™ Portable Digital Music Software Update using a USB flash drive

This procedure describes using a thumb drive to update the SoundTouch Portable software. The software file is available on the Technical Services website.

Bose internal site: http://intranet.bose.com/tsg/ Bose external site: http://serviceops.bose.com/

Software updates can also be done with a key press once the product is connected to the internet via a Wi-Fi network. To update using the Wi-Fi network, press and hold "volume -" and "preset 4".

Equipment Required

- 1. USB Flash Drive
- 2. USB A Female to Micro B Male Adapter

1. USB Flash Drive

- **1.1** Download the latest version of software from the Technical Services Website.
- **1.2** Place the software on a USB flash drive.
- **1.3** Connect the USB flash drive to the Micro USB A connector on the back of the system using the adapter cable described above.



- **1.4** Press and hold the AUX button for 12 to 14 seconds to reset the system.
- **1.5** Within a second of releasing the AUX button to reset the product, press and hold the "Volume -" and "preset 1" until the hand with a lineshows on display.



The hand will continue to be displayed until the software update is complete. The product will then reboot and start up normally.

- **1.6** Press and hold "volume -" and "preset 5" to see the system information. Scroll through the menu using the volume and + buttons to confirm the software has been updated. Bose Application Firmware under the Sound-Touch Information shows the systems software version.
 - 4. SoundTouch Information
 - 4.2 Bose Application Firmware

TAP COMMAND SET UP

SoundTouch™ Portable Digital Music System TAP command set up

Equipment Required

Hardware

Computer w/serial port RS232 to TTL converter Lifestyle® ETAP Cable, P/N 264565 Soundlink® ETAP adapter P/N 347062-0005

Software

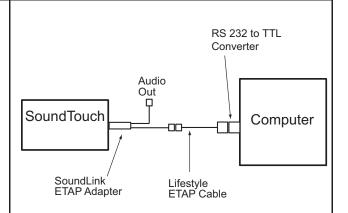
TeraTerm terminal emulator (Download at http://sourceforge.jp/projects/ttssh2/)

Notes: TAP commands are sent to the SoundTouch Portable system by connecting a PC to the AUX IN connector.

An ETAP cable, ETAP Cable adapter and RS232 to TTL Converter are required for this communication. Both ETAP cables are available from Bose® (see part numbers above). The RS232 to TTL Converter is made by B+B electronics, model number 232LPTTL. It can be purchased online at http://www.bb-elec.com.

TAP commands are needed for the following procedures:

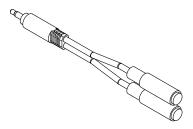
- A. Wi-Fi Link Test
- **B.** Serial Number Programing
- C. Setting Wi-Fi Country Code



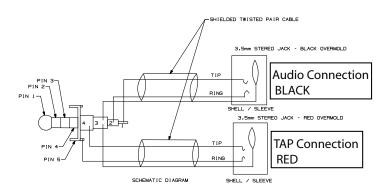
ETAP Block Diagram



B+B Electronics model 232LPTTL RS232 to TTL converter



Drawing of Soundlink ETAP Cable Adapter



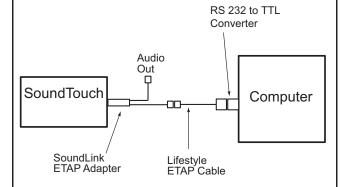
Schematic Drawing of Sounklink ETAP Cable

TAP COMMAND SET UP (CONTINUED)

1. Tera Term Terminal USB set up

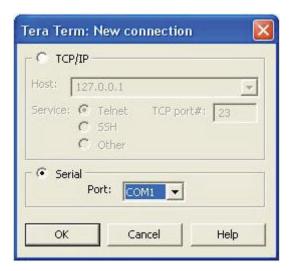
Tera Term is a terminal emulator and can be downloaded at http://sourceforge.jp/projects/ttssh2/. It is the interface used to send commands to the SoundTouch™ Portable product.

1.1 Connect the SoundTouch as shown in the diagram below.



2. Teraterm set up

2.1 Launch a Tera Term terminal window and select serial communication and as shown below.



2.2 Select setup, then serial port to set the baud rate to 115,200 data to 8 bit, parity to none, stop to 1 bit and flow conrtol to none.





2.3 Press and hold the AUX button on the SoundTouch Portable when power is applied for 12-15 seconds. The product will boot, and the Tera Term window will display the boot information.

WI-FI TEST PROCEDURE

1. Wi-Fi Functional Test Set Up

This test uses TAP commands to connect the product to a Wi-Fi network and stream audio from a Bose[®] URL. The Bose SoundTouch[™] application can be used in place of this test.

Note: Do not download the audio file from the test URL.

Determine the security type for your router and select the appropriate TAP command for Connecting to a Wi-Fi Router. (WEP, WPA, or no security)

Refer to pages 24-25, TAP Command Setup

2. Connecting to a Wi-Fi Router

2.1 Enter the following TAP command for your router security type setting. Do not enter parentheses.

2.1.1 WEP Security Type

airplay wep profile (SSID) (Password)

2.1.2 WPA Security Type

airplay wpa profile (SSID) (tkip or aes) (Password)

2.1.3 No Security

airplay Wi-Fi profile (SSID)

2.2 Wait for the Wi-Fi indicator on the

product's display to turn solid white. This may take up to a minute. If the indicator does not turn white, enter the TAP command again.

3. Testing the Wi-Fi Module.

3.1 Enter the following TAP commands.

sys configuration DemoAudioURL http://worldwide.bose.com/downloads/assets/audio/take5.mp3

sys configuration DemoNetworkEnabled true

demo enter

- **3.4** The song "Take 5" should play. Listen for clean undistorted audio.
- **3.5** Enter the following TAP command to exit the Wi-Fi test.

demo exit

Note: A Tera-Term macro that includes these TAP commands is available for download on the product's repair information page. Place the macro file in the same folder as your Tera-Term program. Open Tera-Term, select Control, Macro, wifi_test.ttl. Once the macro runs, follow the prompts.

4. Factory Reset.

4.1 Factory default the system by sending the "sys factorydefault" command or press "volume -" and "preset 1".

```
COM3:115200baud - Tera Term VT

File Edit Setup Control Window Help

->
->airplay upa profile research3 as bosetsg1
SSID = research3

->Cipher = ass
->Passphrase = bosetsg1

->OK
->oK
->sys configuration DemoRudioURL http://worldwide.bose.com/downloads/assets/audio/take5.mp3
OK
->sys configuration DemoRetworkEnabled true
OK
->demo enter
OK
->
```

FUNCTIONAL TEST PROCEDURES

SoundTouch™ Portable Digital Music System Miscellaneous Tests

1. IR Remote Test

- **1.1** Confirm power is applied.
- **1.2** Press each button on the remote control confirming the display reacts to each button press.

2. Keypad Button Test

- **2.1** Confirm power is applied to the Sound-Touch Portable.
- **2.2** Press each button the SoundTouch Portable keypad confirming the display reacts to each button press.

3. Micro USB Port Functional Test

- **3.1** Connect the SoundTouch Portable to a computer as shown in the TAP command set up documented on pages 25 and 26.
- **3.2** Type the command "local_services on" and <enter>. Then press CTRL-C on the keyboard. Then send the command "e" and <enter>. A command line <u>taigan login:</u> should be displayed on the computer.
- **3.3** Type the command root and <enter>. This will cause the command line to change to root@taigan:root#.
- **3.4** Connect a USB thumb drive into the USB port located on the back of the product.
- **3.5** Type the command "Isusb".
- **3.6** Verify the USB memory stick lights up and the name of the USB memory stick is visible.
- **3.7** Send the command "rm /mnt/nv/ local_services" and <enter>.
- **3.8** Send the command "exit" and <enter>. This will return to the TAP interface (CLI) and a TAP command line "->" should be shown.

BATTERY TEST

SoundTouch™ Portable Battery Test

Connect the SoundTouch Portable to a computer as shown in the TAP command set up procedure on pages 24 and 25.

Note: The battery must meet the following requirements:

- 1. Time Since Production: < 30 months
- 2. Battery Capacity: > 78%
- 3. Voltage Balance: < 70mV
- 4. Number of Cycles < 100
- 5. Charge Current: between 0.90 and 1.25 amps
- 6. Charge Current Wi-Fi Module: between -0.27 and -0.38 amps

The battery tests are run by sending TAP commands from a PC to the SoundTouch system. All battery tests with the exception of the "Charge Current Wi--Fi Module" should be done with power applied.

1.0 Time Since Production

1.1 The four digit DOM listed within the serial number printed on the battery (not on the system) can be used to determine the batteries age. If the battery is more than 30 months old, it should be replaced.

Serial Number Example - 059752Z<u>3138</u>2392AE

The first 6 characters identify the product code - 059752.

Characters 8 to 11 identify the DOM - 3138 = the 313th day of 2013.

1.1 The TAP command "ba 5" can also be used to determine the date of manufacture.

Enter "ba 5". The results will look similar to:

Battery build date: raw=17074, 05/18/2013

2.0 Battery Capacity

2.1 Connect power to the SoundTouch Portable.

2.2 Enter "ba = 24".

The results are returned in hex, convert this to decimal.

Passing is a returned value greater than 2000, which is approximately 78% of the nominal battery capacity.

Example -

->ba = 24

Register 24: 2362

3.0 Charge Current

3.1 Enter "ba 2".

The results will look similar to:

Battery current: 1.039 A

Verify the result is between 0.90 and 1.25 A.

Note: If the Battery is above 90% charged, the charge current test is not valid. Ensure the battery is not charged above 90% before performing this test by entering the "ba 8" command.

Battery test continued on next page

BATTERY TEST CONTINUED

SoundTouch[™] Portable Battery Test Continued

4.0 Number of Cycles

4.1 Enter "ba = 23"

Example:

->ba = 23 Register 23: 3

Number of Cycles = 3

Verify the results are lower than 100 cycles.

5.0 Voltage Balance

- **5.1** Unplug the power cord.
- **5.2** To calculate V Balance, three cell voltages need to be collected.

Issue the following TAP commands and write down the results.

"ba = 61" - Cell One

"ba = 62" - Cell Two

"ba = 63" - Cell Three

The results are returned in decimal.

Example -

->ba = 62

4061

4061 = 4.061V

Compare the three results. If the difference between the three voltage results is more than 70mV, the battery should be replaced.

6.0 Charge Current Wi-Fi Module

- **6.1** Remove power cord from the product so it is running on battery power.
- 6.2 Enter "ba 2"

The results will look similar to:

Battery current: -0.325 A

Verify the result is between .-0.27 and -0.38 A.

Note: If the Battery is above 90% charged, the charge current test is not valid. Ensure the battery is not charged above 90% before performing this test by entering the "ba 0" command.

SERIAL NUMBER AND COUNTRY CODE PROGRAMING

Perform both of these procedures any time the Wi-Fi Module is replaced.

Download two macros from the Sound-Touch™ product's repair information page located on http://serviceops.bose.com. Place these macros in the Tera Term program folder.

set_serial_number.ttl set_country_code.ttl

1. Setting the Serial Number

- **1.1** Connect the SoundTouch to a computer as shown in the TAP command set up procedure on pages 24 and 25.
- **1.2** Within Tera Term, select Control then Macro and Select the file "set serial number.ttl"
- **1.3** Follow the prompts.

Note: The serial number can be read by pressing the Volume - button and the number 5 at the same time for 5 seconds for system information. Use the Volume - and + button to toggle through system information.

2. Setting the Country Code

- **2.1** Connect the SoundTouch Portable to a computer as shown in the TAP command set up procedure on pages 24 and 25.
- **2.2** Within Tera Term, select Control then Macro and Select the file "set country code.ttl"
- **2.4** Follow the prompts.

Note: Selecting us sets the Wi-Fi module to the US standard channels 1-11. Selecting eu sets the Wi-Fi module to EU standard channels 1-13

3. Reading the Country Code.

- **3.1** Type the command "local_services on" and <enter>. Then press CTRL-C on the keyboard. Then type "e" and <enter>. The command line <u>taigan login:</u> should be displayed on the computer.
- **3.2** Type the command "root" and <enter>. The command line should be root@taigan:root#.
- **3.3** Enter "cat /var/tmp/mfgdata.xml". The country code is displayed within the response.

- **3.4** Return to CLI prompt by entering the command "rm /mnt/nv/local_services" and <enter>.
- **3.5** Enter the command "exit" and <enter>. This will return to the TAP interface (CLI) and a TAP command line "->" should be shown.

TAP COMMANDS

Helpful TAP Commands (see prior test procedures for detailed instructions)

1. Connect to Router

1.1 No security

"airplay wifi profile [network_name]" connects to a network w/ no security

1.2 WPA security

"airplay wpa profile [network_name] [security] [passphrase]" for WPA where security is TKIP or AES

1.3 WEP security

"airplay wep profile [network_name] [key]" for WEP security

2. Play Song from Demo URL

- **2.1** View Current system configuration "getpdo CurrentSystemConfiguration" will print out the current values
- **2.2** Enter location of demo URL "sys configuration DemoAudioURL <a href="http://worldwide.bose.com/downloads/assets/audio/take5.mp3" http://worldwide.bose.com/downloads/assets/audio/take5.mp3"
- 2.3 Enable Demo

"sys configuration DemoNetworkEnabled true"

- **2.4** Enter Demo mode "demo enter"
- **2.5** Exit Demo Mode "demo exit" or "sys reboot"

3. Enter Manufacturing mode

- **3.1** During the first few seconds of the boot process, hold shift and press "U" repeatedly until "U-Boot#" prompt is displayed.
- **3.2** At the U-Boot# prompt, enter TAP command "setenv variant_mode mfg"
- **3.3** Enter TAP command "boot" to reboot unit into manufacturing mode.

4. Set Country Code

The Wi-FI module can be set to EU or US standard, which determines which Wi-Fi channels are used. All countries outside the US are set to the EU Code. EU ch 1-13, US ch 1-11.

- **4.1** Enter Manufacturing Mode (Procedure 3)
- **4.2** At the "->" prompt, enter TAP command "d dm870 cc (EU or US).
- **4.3** Enter TAP command "d reset" to reboot into normal mode.

5. Check Country Code

- **5.1** Type the command "local_services on" and <enter>. Then press CTRL-C on the keyboard. Then type "e" and <enter>. The command line <u>taigan login:</u> should be displayed on the computer.
- **5.2** Enter TAP command "root" and <enter>. The command line should be root@taigan:root#.
- **5.3** Enter "cat /var/tmp/mfgdata.xml" without the qoutes. The country code is displayed in the first line of the response.
- **5.4** Return to CLI prompt by entering the command "rm /mnt/nv/local_services" and <enter>.
- **5.5** Enter the command "exit" and <enter>. This will return to the TAP interface (CLI) and a TAP command line "->" should be shown.

6. Set Serial Number

- **6.1** Enter Manufacturing Mode (Procedure 3)
- **6.3** Enter TAP command "d reset" to reboot into normal mode.

TAP COMMANDS CONTINUED

7. Software Version

7.1 "sys ver"

The unit will reply with something similar to the following, significant digits are bold: BoseApp version: **2.1.12**.12569.366803 epdbuild.rel_2.x.hepdswbld05.2013-09-12T18:23:09

8. Display Test (OLED)

- 8.1 Enter TAP command 'local services on'
- 8.2 Press Control C and then type 'e' and then enter.
- 8.3 At the taigan login, enter TAP command 'root'.
- 8.4 Enter TAP command 'cd /opt/Bose'
- 8.5 At the root@Taigan:Bose prompt, enter the following TAP commands to display different sections of the display.

cat oled_pattern_left_bar.raw > /dev/fb

cat oled pattern center bar.raw > /dev/fb

cat oled pattern right bar.raw > /dev/fb

cat oled_pattern_cols.raw > /dev/fb

cat oled_pattern_rows.raw > /dev/fb

cat oled_pattern_outline.raw > /dev/fb

8.6 To return unit to normal mode, Enter TAP command 'rm /mnt/nv/local_services' Enter TAP command 'sys reboot'

9. Factory Default

9.1 Enter TAP command 'sys factorydefault'

BACK DOOR KEY PRESSES

1. System Information

- **1.1** Press and hold the Volume (-) minus and Preset 5 to bring up System Information. Use the Volume (-) minus and plus to toggle through the items.
 - 1. MAC address
 - 1.1 Ethernet MAC address
 - 1.2 Wi-Fi MAC address
 - 2. Network Information
 - 2.1 Connection Type
 - 2.2 IP Address
 - 2.3 **SSID**
 - 2.4 RSSI (Received Signal Strength), rates Wi-Fi signal received strength
 - 3. System Information
 - 3.1 Component ID
 - 3.2 System Serial number
 - 3.3 Component ID (Wi-Fi)
 - 3.4 Wi-Fi Module Serial Number
 - 3.5 Wi-Fi Module Firmware
 - 4. SoundTouch Information
 - 4.1 Wi-Fi Module Serial Number
 - 4.2 Bose Application Firmware
 - SoundTouch Controller Information
 Connected:yes/no
 - 6. Battery Information
 - 6.1 Serial Number
 - 6.2 Firmware
 - 6.3 Manufacturer
 - 6.4 Build Date

2. Factory Default

2. Press and hold the Volume (-) minus and Preset 1. The system will return to factory default settings and reboot. The TAP command "sys factorydefault will also

3. Software Update

- **3.1** Press and hold the Volume (-) minus and Preset 4 to initiate a software update.
 - **3.1.1** The unit will load the software update over Wi-Fi.
 - **3.1.2** To update the software with a thumb drive, feset the system with the AUX button. Then press and hold Volume (-) minus and Preset 4 within a second of the reset to initiate a software update. See page 25 for detailed instructions.

4. Alternate Setup (connect unit to Wi-Fi network)

- **4.1** Press and hold the Volume (-) minus and Preset 2 to initiate alternate setup mode.
- **4.2** Connect a smartphone, iOS device, or Wi-Fi enabled PC to the unit's Bose® Soundtouch Wi-Fi network.
- **4.3** The units Wi-Fi setup page IP address will be shown on the unit's display. Enter the IP address into smart phone browser and follow the directions on the page.

5. Disable/Enable Networking

5.1 Press and hold the Volume (-) minus and Preset 3 to enable or disable networking.

6. Product Reset

6.1 Press and hold AUX button for 12-15 seconds.

SHIP MODE

SoundTouch™ Portable Ship Mode

Ship Mode is required any time the product will be placed in a shipping carton. Because the battery is normally active, buttons can be acidentally pressed while placing the product in the carton or as it moves around during shipping. Ship mode deactivates the product, and will not wake up untill a power supply is attached.

1. Entering Ship Mode

1.1 Connect the SoundTouch Portable to a computer as shown in the TAP command set up documented on pages 24 and 25.

A prompt (->) should appear within the Tera Term window when boot up is complete.

- **1.2** Remove power from the SoundTouch Portable. Power must be removed prior to typing the TAP command in the next step.
- **1.3** Type TAP command "ba s" then press enter. Once the command in entered, the system will be in ship mode and will not "wake up" until power is reapplied.
- **1.4** Confirm the system does not respond to any button presses.

Note: For products that have the potential of staying in ship mode for an extended period of time - make sure the the battery charge level is between 30 and 70%.

SERVICE MANUAL REVISION HISTORY

| Date | Revision Level | Description of Change | Change Driven By | Pages Affected |
|-----------|-------------------|---|---|-------------------|
| 10/2013 | 00 | Document released at revision 00 | Service Manual release | All |
| 12/2013 | 01 | WiFi Module part number change from 627303-001S to 627303-031S | Software change | 8 |
| | | Power applied when testing the battery was added to the battery test. | Correction | 31 |
| 4/2014 | 02 | Black/grey parts added. | New product color available | 7, 8 |
| 6/2014 | 03 | WiFi Module part number change from 627303-001S to 627303-031S | Software change | 8 |
| 11/5/2014 | 04 | New sulfur free drivers added | Service Bulletin B1 mandates replacement of these drivers on product built prior to DOM 4062 | 9 |

SPECIFICATIONS AND FEATURES SUBJECT TO CHANGE WITHOUT NOTICE



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